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Cross reference:

- Latest monitoring results are published in the **SUPPLEMENT SERVICE** to this manual
- The decoding of meteorological bulletins like METAR, SHIP, SYNOP etc., the WMO GTS message format used by meteorological stations, as well as the NOTAM|SNOWTAM codes and the AFTN message format used by aeronautical fixed stations, are explained in our **AIR AND METEO CODE MANUAL**
- The FAX technique used by terrestrial stations and meteorological satellites is explained in our **GUIDE TO FACSIMILE STATIONS**
- This reference book includes many RTTY stations using Arabic, ATU-80 Arabic, Cyrillic and third-shift Cyrillic teleprinter alphabets, stations using VFT modulation, and stations using ARQ, ARQ-E, ARQ-S, FEC-A, FEC-S and SITOR systems. Detailed information on these alphabets and techniques, amongst many others, is included in our **RADIOTELETYPE CODE MANUAL**
- Examples on various types of emissions are filed on the **MAGNETIC TAPE RECORDING OF MODULATION TYPES**
- Frequencies and call signs of utility stations formerly in use are listed in our **GUIDE TO FORMER UTILITY TRANSMISSIONS**

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Cover photograph: Antenna tower of the Omega station south of Le Port in Reunion. The structure has a weight of 780 tons and a height of 427 m, which means a time of 1 - 2 h for a routine ascension. The ring on the top has a diameter of 30 m and carries the antenna itself consisting of 16 radials. As this region of the world is frequently visited by catastrophic cyclones - "Clotilda" in February 1987 left 10 victims and a material damage of 500000000 F - the pylon is constructed to withstand winds of up to 350 km/h.

The station is part of a global navigation system and operated by FF Le Port. It transmits on VLF between 10.2 and 13.6 kHz according to a time cycle with a tolerance of a few seconds in a millenium. Thanks to La Marine Nationale, Commandement de l'Océan Indien, for guiding us through the site.

By courtesy of The Klingenfuss Archives

F.CMJF

I. General

Since the mid-seventies, there has been an extensive shift in the role of shortwave communication for several radio services. It now provides mainly circuits in cases where other means of communication are not available or not economically feasible, e.g. for diplomatic, military, aeronautical and maritime mobile circuits. Digital techniques are bringing about important changes in the exploitation of these circuits, increasing reliability and efficiency, and greatly reducing the need for skilled operators.

An advanced generation of general coverage receivers like the JRC NRD525, KEN-WOOD R5000 etc. is now available. Combined with sophisticated facsimile and teleprinter decoders like the INFO-TECH M800, WAVECOM W4010 etc. at - finally - reasonable prices, quasi-professional monitoring of utility stations is now accessible to everyone.

This revolutionary development is supported by our famous lists and manuals since 1971. Being ourselves the top address for the world's top radio monitors since then, the correspondence with our worldwide reading public ensures the manual in hand to continue to be the standard reference of both professional monitoring services and non-professional radio monitors. Its contents is built exclusively on continuous monitoring of the radio spectrum during 1987. The global coverage of our data bank, even in the current sunspot minimum, is secured by regular overseas monitoring missions. After extremely successful DXpeditions to Madagascar and Reunion in 1985 and to the Azores, Brunei, Malaysia and Sabah in 1986, we have spent in 1987 more than two months at monitoring sites like Manakhah 15N00 43E44, Yemen Arab Republic, and Baril 21S22 55E44, Reunion. The results are included in this book, and similar activities from even more exotic sites are scheduled for 1988.

One of the problems experienced by most pioneers - regardless of the field of activity - is obviously that inevitable parasitism. The usual criminal plagiarism from Klingenfuss Publications by "authors" and "publishers" from all over the world, in conjunction with the snowball system of one-idiot-plagiarizes-the-other, results in the spreading of totally antiquated data still in 1988. Those imitative concoctions, just because they are based on plagiarism instead of real-time monitoring, continue to list hundreds and thousands of stations and transmissions above 17 MHz as a historic reminiscence to the last sunspot maximum ...

The compilation of this book has been made with the help of a computer controlled data bank and word processor system with self-developed software interfaces - the only reasonable way to handle this amount of information. In addition, it guarantees the shortest time imaginable for the production of this reference book. Contrary to imitative publications, the time between filing the last entry into the data bank system and the mailing of the completed book takes only 10 (ten) days here.

Spurious signals have been proved with at least three commercial receivers of full different circuitry.

In case of doubt, the spelling of place-names follows that used in the TIMES ATLAS OF THE WORLD (see the introduction to chapter XXIV), in the TIMES ATLAS OF THE OCEANS, and in the CENTRAL INTELLIGENCE AGENCY POLAR REGIONS ATLAS.

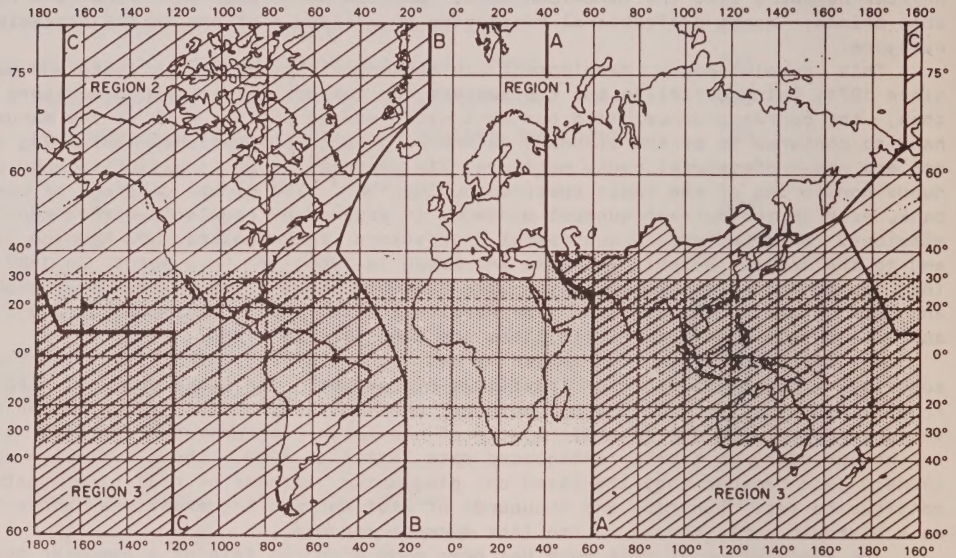
The mention of specific companies or products in articles or advertisements does not imply that they are endorsed or recommended by Klingenfuss Publications in preference to others of a similar nature which are not mentioned or advertised.

Although the more progressive national telecommunication authorities have now released the reception of meteorological etc. data for the purpose of technical investigation, readers are reminded that the divulgence of the contents of radio transmissions which are not intended for the general use of the public is a violation of international and most national telecommunication acts.

II. Frequency allocations

Section I - Regions and Areas

RR 392 For the allocation of frequencies the world has been divided into three Regions as shown on the following map and described in RRs 393 to 399 (it should be noted that where the words "regions" or "regional" are without a capital "R" in these Regulations, they do not relate to the three Regions here defined for purposes of frequency allocation):



The shaded part represents the Tropical Zone as defined in RRs 406 to 410 and 411.

- RR 393 Region 1 includes the area limited on the east by line A (lines A, B and C are defined below) and on the west by line B, excluding any of the territory of IRN which lies between these limits. It also includes that part of the territory of TUR and URS lying outside of these limits, the territory of MNG, and the area to the north of URS which lies between lines A and C.
- RR 394 Region 2 includes the area limited on the east by line B and on the west by line C.
- RR 395 Region 3 includes the area limited on the east by line C and on the west by line A, except the territories of MNG, TUR, URS and the area to the north of URS. It also includes that part of the territory of IRN lying outside of those limits.
- RR 396 The lines A, B and C are defined as follows:
- RR 397 Line A extends from the North Pole along meridian 40° East of Greenwich to parallel 40° North; thence by great circle arc to the intersection of meridian 60° East and the Tropic of Cancer; thence along the meridian 60° East to the South Pole.
- RR 398 Line B extends from the North Pole along meridian 10° West of Greenwich to its intersection with parallel 72° North; thence by great circle arc to the intersection of meridian 50° West and parallel 40° North; thence by great circle arc to the intersection of meridian 20° West and parallel 10° South; thence along meridian 20° West to the South Pole.

- RR 399 Line C extends from the North Pole by great circle arc to the intersection of parallel 65°30' North with the international boundary in Bering Strait; thence by great circle arc to the intersection of meridian 165° East of Greenwich and parallel 50° North; thence by great circle arc to the intersection of meridian 170° West and parallel 10° North; thence along parallel 10° North to its intersection with meridian 120° West; thence along meridian 120° West to the South pole.
- RR 400 For the purposes of these Regulations, the term "African Broadcasting Area" means:
- RR 401 a) African countries, parts of countries, territories and groups of territories situated between the parallels 40° South and 30° North;
- RR 402 b) islands in the Indian Ocean west of meridian 60° East of Greenwich, situated between the parallel 40° South and the great circle arc joining the points 45° East, 11°30' North and 60° East, 15° North;
- RR 403 c) islands in the Atlantic Ocean east of line B defined in RR 398, situated between the parallels 40° South and 30° North.
- RR 404 The "European Broadcasting Area" is bounded on the west by the western boundary of Region 1, on the east by the meridian 40° East of Greenwich and on the south by the parallel 30° North so as to include the western part of URS, the northern part of ARS and that part of those countries bordering the Mediterranean within these limits. In addition, IRQ and JOR are included in the European Broadcasting Area.
- RR 405 The "European Maritime Area" is bounded on the north by a line extending along parallel 72° North from its intersection with meridian 55° East of Greenwich to its intersection with meridian 5° West, then along meridian 5° West to its intersection with parallel 67° North, thence along parallel 67° North to its intersection with meridian 30° West; on the west by a line extending along meridian 30° West to its intersection with parallel 30° North; on the south by a line extending along parallel 30° North to its intersection with meridian 43° East; on the east by a line extending along meridian 43° East to its intersection with parallel 60° North, thence along parallel 60° North to its intersection with meridian 55° East and thence along meridian 55° East to its intersection with parallel 72° North.
- RR 406 The "Tropical Zone" (see map in RR 392) is defined as:
- RR 407 a) the whole of that area in Region 2 between the Tropics of Cancer and Capricorn;
- RR 408 b) the whole of that area in Regions 1 and 3 contained between the parallels 30° North and 35° South with the addition of:
- RR 409 1) the area contained between the meridians 40° East and 80° East of Greenwich and the parallels 30° North and 40° North;
- RR 410 2) that part of LBY north of parallel 30° North.
- RR 411 In Region 2, the Tropical Zone may be extended to parallel 33° North, subject to special agreements, between the countries concerned in that Region (see Article 7).
- RR 412 A sub-Region is an area consisting of two or more countries in the same Region.

Section II - Categories of Services and Allocations

RR 413 Primary, Permitted and Secondary Services

RR 414 Where, in a box of the Table in Section IV of this Article, a band is indicated as allocated to more than one service, either on a worldwide or Regional basis, such services are listed in the following order:

- RR 415 a) services the names of which are printed in "capitals" (example: FIXED); these are called "primary" services;
- RR 416 b) services the names of which are printed in "capitals between oblique strokes" (example: |RADIOLOCATION|); these are called "permitted" services (see RR 419);
- RR 417 c) services the names of which are printed in "normal characters" (example: Mobile); these are called "secondary" services (see RRs 420 to 423).
- RR 418 Additional remarks shall be printed in normal characters (example: MOBILE except aeronautical mobile).

FREQUENCY ALLOCATIONS 3

- RR 419 Permitted and primary services have equal rights, except that, in the preparation of frequency plans, the primary service, as compared with the permitted service, shall have prior choice of frequencies.
- RR 420 Stations of a secondary service:
- RR 421 a) shall not cause harmful interference to stations of primary or permitted services to which frequencies are already assigned or to which frequencies may be assigned at a later date;
- RR 422 b) cannot claim protection from harmful interference from stations of a primary or permitted service to which frequencies are already assigned or may be assigned at a later date;
- RR 423 c) can claim protection, however, from harmful interference from stations of the same or other secondary service (-s) to which frequencies may be assigned at a later date.
- RR 424 Where a band is indicated in a footnote of the Table as allocated to a service on a "secondary" basis in an area smaller than a Region, or in a particular country, this is a secondary service (see RRs 420 to 423).
- RR 425 Where a band is indicated in a footnote of the Table as allocated to a service "on a primary basis", or "on a permitted basis" in an area smaller than a Region, or in a particular country, this is a primary service or a permitted service only in that area or country (see RR 419).
- RR 426 **Additional Allocations**
- RR 427 Where a band is indicated in a footnote of the Table as "also allocated" to a service in an area smaller than a Region, or in a particular country, this is an "additional" allocation, i. e. an allocation which is added in this area or in this country to the service or services which are indicated in the Table (see RR 428).
- RR 428 If the footnote does not include any restriction on the service or services concerned apart from the restriction to operate only in a particular area or country, stations of this service or these services shall have equality of right to operate with stations of the other primary service or services indicated in the Table.
- RR 429 If restrictions are imposed on an additional allocation in addition to the restriction to operate only in a particular area or country, this is indicated in the footnote of the Table.
- RR 430 **Alternative Allocations**
- RR 431 Where a band is indicated in a footnote of the Table as "allocated" to one or more services in an area smaller than a Region, or in a particular country, this is an "alternative" allocation, i.e. an allocation which replaces, in this area or in this country, the allocation indicated in the Table (see RR 423).
- RR 432 If the footnote does not include any restriction on stations of the service or services concerned, apart from the restriction to operate only in a particular area or country, these stations of such a service or services shall have an equality of right to operate with stations of the primary service or services, indicated in the Table, to which the band is allocated in other areas or countries.
- RR 433 If restrictions are imposed on stations of a service to which an alternative allocation is made, in addition to the restriction to operate only in a particular country or area, this is indicated in the footnote.
- RR 434 **Miscellaneous Provisions**
- RR 435 Where it is indicated in these Regulations that a service may operate in a specific frequency band subject to not causing harmful interference, this means also that this service cannot claim protection from harmful interference by other services to which the band is allocated under Chapter III of these Regulations.
- RR 436 Except if otherwise specified in a footnote, the term "fixed service", where appearing in Section IV of this Article, does not include systems using ionospheric scatter propagation.

Section III - Description of the Table of Frequency Allocations

- RR 437 The heading of the Table in Section IV of this Article includes three columns, each of which corresponds to one of the Regions (see RR 392). Where an allocation occupies the whole of the width of the Table or only one or two of the three columns, this is a worldwide allocation or a Regional allocation, respectively.
- RR 438 The frequency band referred to in each allocation is indicated in the left-hand top corner of the part of the Table concerned.
- RR 439 Within each of the categories specified in RRs 415 to 417, services are listed in alphabetical order according to the French language. The order of listing does not indicate relative priority within each category.
- RR 440 In the case where there is a parenthetical addition to an allocation in the Table, that service allocation is restricted to the type of operation so indicated.
- RR 441 The footnote references which appear in the Table below the allocated service or services apply to the whole of the allocation concerned.
- RR 442 The footnote references which appear to the right of the name of a service are applicable only to that particular service.
- RR 443 In certain cases, the names of countries appearing in the footnotes have been abbreviated in order to shorten the text, using the ITU symbols designating countries or geographical areas (see chapter XXV of this reference book).

Section IV - Table of Frequency Allocations

(see RR 208 in chapter XXI)

Allocation to Services

Region 1	Region 2	Region 3
Below 9 kHz	(not allocated) 444 445	
9 - 14 kHz	RADIONAVIGATION	
14 - 19.95 kHz	FIXED MARITIME MOBILE 448 446 447	
19.95 - 20.05 kHz	STANDARD FREQUENCY AND TIME SIGNAL (20 kHz)	
20.05 - 70 kHz	FIXED MARITIME MOBILE 448 447 449	
70 - 72 kHz	70 - 90 kHz	70 - 72 kHz
RADIONAVIGATION 451	FIXED	RADIONAVIGATION 451
72 - 84 kHz	MARITIME MOBILE 448 MARITIME RADIONAVIG. 451 Radiolocation 452	Fixed Maritime Mobile 448 450
FIXED MARITIME MOBILE 448 RADIONAVIGATION 451 447		72 - 84 kHz
84 - 86 kHz		FIXED MARITIME MOBILE 448 RADIONAVIGATION 451
RADIONAVIGATION 451		84 - 86 kHz
86 - 90 kHz		RADIONAVIGATION 451 Fixed Maritime Mobile 448 450
FIXED MARITIME MOBILE 448 RADIONAVIGATION 447		86 - 90 kHz
		FIXED MARITIME MOBILE 448 RADIONAVIGATION 451
90 - 110 kHz	RADIONAVIGATION 453 Fixed Maritime Mobile 448 454	

FREQUENCY ALLOCATIONS 6

- RR 444 Administrations authorizing the use of frequencies below 9 kHz shall ensure that no harmful interference is caused thereby to the services to which the bands above 9 kHz are allocated (see RR 1816).
- RR 445 Administrations conducting scientific research using frequencies below 9 kHz are urged to advise other administrations that may be concerned in order that such Copyright 1987 Klingenfuss Publications F R Germany research may be afforded all practicable protection from harmful interference.
- RR 446 Additional allocation: in BUL, HNG, POL, DDR, TCH and URS, the band 14 - 17 kHz is also allocated to the radionavigation service on a permitted basis.
- RR 447 The stations of services to which the bands 14 - 19.95 kHz and 20.05 - 70 kHz and in Region 1 also the bands 72 - 84 kHz and 86 - 90 kHz are allocated may transmit standard frequency and time signals. Such stations shall be afforded protection from harmful interference. In BUL, HNG, MNG, POL, TCH and URS, the frequencies 25 kHz and 50 kHz will be used for this purpose under the same conditions.
- RR 448 The use of the bands 14 - 19.95 kHz, 20.05 - 70 kHz, 70 - 90 kHz (72 - 84 kHz and 86 - 90 kHz in Region 1) and 90 - 110 kHz by the maritime mobile service is limited to coast radiotelegraph stations (A1A and F1B only). Exceptionally, the use of class J2B or J7B emissions is authorized subject to the necessary bandwidth not exceeding that normally used for class A1A or F1B emissions in the bands concerned.
- RR 449 Additional allocation: in BUL, HNG, POL, DDR, TCH and URS, the band 67 - 70 kHz is also allocated to the radionavigation service on a permitted basis.
- RR 450 Different category of service: in BGD, IRN and PAK, the allocation of the bands 70 - 72 kHz and 84 - 86 kHz to the fixed and maritime mobile services is on a primary basis (see RR 425).
- RR 451 The use of the bands 70 - 90 kHz (70 - 86 kHz in Region 1) and 110 - 130 kHz (112 - 130 kHz in Region 1) by the radionavigation service is limited to continuous wave systems.
- RR 452 In Region 2, the establishment and operation of stations in the maritime radionavigation service in the bands 70 - 90 kHz and 110 - 130 kHz shall be subject to agreement obtained under the procedure set forth in Article 14 with administrations whose services, operating in accordance with the Table, may be affected. However, stations of the fixed, maritime mobile and radiolocation services shall not cause harmful interference to stations in the maritime radionavigation service established under such agreements.
- RR 453 Administrations which operate stations in the radionavigation service in the band 90 - 110 kHz are urged to coordinate technical and operating characteristics in such a way as to avoid harmful interference to the services provided by these stations.
- RR 454 Only classes A1A or F1B, A2C, A3C, F1C or F3C emissions are authorized for stations of the fixed service in the bands allocated to this service between 90 kHz and 160 kHz (148.5 kHz in Region 1) and for stations of the maritime mobile service in the bands allocated to this service between 110 kHz and 160 kHz (148.5 kHz in Region 1). Exceptionally, class J2B or J7B emissions are also authorized in the bands between 110 kHz and 160 kHz (148.5 kHz in Region 1) for stations of the maritime mobile service.

FREQUENCY ALLOCATIONS 7

110 - 112 kHz	110 - 130 kHz	110 - 112 kHz
FIXED MARITIME MOBILE RADIONAVIGATION 454	FIXED MARITIME MOBILE MARITIME RADIONAVIG. 451 Radiolocation 452 454	FIXED MARITIME MOBILE RADIONAVIGATION 451 454
112 - 115 kHz		112 - 117.6 kHz
RADIONAVIGATION 451		RADIONAVIGATION 451 Fixed Maritime Mobile 454 455
115 - 117.6 kHz		
RADIONAVIGATION 451 Fixed Maritime Mobile 454 456		117.6 - 126 kHz
117.6 - 126 kHz		FIXED MARITIME MOBILE RADIONAVIGATION 451 454
FIXED MARITIME MOBILE RADIONAVIGATION 451 454		126 - 129 kHz
126 - 129 kHz		RADIONAVIGATION 451 Fixed Maritime Mobile 454 455
RADIONAVIGATION 451		129 - 130 kHz
129 - 130 kHz		FIXED MARITIME MOBILE RADIONAVIGATION 451 454
FIXED MARITIME MOBILE RADIONAVIGATION 451 454		
130 - 148.5 kHz	130 - 160 kHz	130 - 160 kHz
MARITIME MOBILE FIXED 454 457 458	FIXED MARITIME MOBILE 454	FIXED MARITIME MOBILE RADIONAVIGATION 454
148.5 - 255 kHz	160 - 190 kHz	160 - 190 kHz
BROADCASTING 458 460 461 462	FIXED 459	FIXED Aeron. Radionavigation
255 - 283.5 kHz	190 - 200 kHz	
BROADCASTING AERON. RADIONAVIG. 463 458 462 464	AERONAUTICAL RADIONAVIGATION	
283.5 - 315 kHz	200 - 285 kHz	
MARITIME RADIONAVIGATION (radiobeacons) 466 AERON. RADIONAVIGATION 458 465	AERONAUTICAL RADIONAVIGATION Aeronautical Mobile	
	285 - 315 kHz	
	MARITIME RADIONAVIGATION (radiobeacons) 466 AERONAUTICAL RADIONAVIGATION	

FREQUENCY ALLOCATIONS 8

- RR 455 Different category of service: in BGD, IRN and PAK, the allocation of the bands 112 - 117.6 kHz and 126 - 129 kHz to the fixed and maritime mobile services is on a primary basis (see RR 425).
- RR 456 Different category of service: in D, the allocation of the band 115 - 117.6 kHz to the fixed and maritime mobile services is on a primary basis (see RR 425) and to the radionavigation service on a secondary basis (see RR 424).
- RR 457 Additional allocation: in BUL, HNG, MNG, POL, DDR, ROU, TCH and URS, the band 130 - 148.5 kHz is also allocated to the radionavigation service on a secondary basis. Within and between these countries this service shall have an equal right to operate.
- RR 458 In Region 1, the change of the band limits from 150 kHz and 285 kHz to 148.5 and 283.5 kHz respectively shall take place on 01 February 1986 for the lower limit and 01 February 1990 for the upper limit (see Resolution 500).
- RR 459 In the Region 2 polar areas (north of 60° N and south of 60° S), which are subject to auroral disturbances, the aeronautical fixed service is the primary service in the band 160 - 190 kHz.
- RR 460 Alternative allocation: in AGL, BOT, BDI, COG, MWI, RRW, AFS and ZAI, the band 160 - 200 kHz is allocated to the fixed service on a primary basis.
- RR 461 Additional allocation: in SOM, the band 200 - 255 kHz is also allocated to the aeronautical radionavigation service on a primary basis.
- RR 462 Alternative allocation: in AGL, BOT, BDI, CME, CAF, COG, ETH, KEN, LSO, MDG, MWI, MOZ, NMB, NIG, OMA, RRW, AFS, SWZ, TZA, TCD, ZAI, ZMB and ZWE, the band 200 - 283.5 kHz is allocated to the aeronautical radionavigation service on a primary basis.
- RR 463 Different category of service: in SDN and YMS, the allocation of the band 255 - 283.5 kHz to the aeronautical radionavigation service is on a primary basis (see RR 425).
- RR 464 Alternative allocation: in TUN, the band 255 - 283.5 kHz is allocated to the broadcasting service on a primary basis.
- RR 465 Norwegian stations of the fixed service situated in northern areas (north of 60° N) subject to auroral disturbances are allowed to continue operation on four frequencies in the bands 283.5 - 490 kHz and 510 - 526.5 kHz.
- RR 466 In the band 285 - 325 kHz (283.5 - 325 kHz in Region 1), in the maritime radionavigation service, radiobeacon stations may also transmit supplementary navigational information using narrow-band techniques, on condition that the prime function of the beacon is not significantly degraded.
- RR 467 Different category of service: in URS and the Black Sea areas of BUL, ROU and TUR, the allocation of the band 315 - 325 kHz to the maritime radio navigation service is on a primary basis (see RR 425) under the following conditions:
- a) in the Black Sea and White Sea areas, the maritime radionavigation service is the primary service and the aeronautical radionavigation service is the permitted service;
 - b) in the Baltic Sea area, the assignment of frequencies in this band to new stations in the maritime or aeronautical radionavigation services shall be subject to prior consultation between the administrations concerned.
- RR 468 The frequency 410 kHz is designated for radio direction-finding in the maritime radionavigation service. The other radionavigation services to which the band 405 - 415 kHz is allocated shall not cause harmful interference to radio direction-finding in the band 406.5 - 413.5 kHz.
- RR 469 Additional allocation: in AFG, AUS, CHN, the Overseas French Territories of Region 3, IND, J and PNG, the band 415 - 495 kHz is also allocated to the aeronautical radionavigation service on a permitted basis.
- RR 470 The use of the bands 415 - 495 kHz and 505 - 526.5 kHz (505 - 510 kHz in Region 2) by the maritime mobile service is limited to radiotelegraphy.
- RR 471 The bands 490 - 495 kHz and 505 - 510 kHz shall be subject to the provisions of RR 3018 until the entry into force of the reduced guardband in accordance with Resolution 206.
- RR 472 The frequency 500 kHz is an international distress and calling frequency for radiotelegraphy. The conditions for its use are prescribed in Articles 38 and 60.

FREQUENCY ALLOCATIONS 9

315 - 325 kHz	315 - 325 kHz	315 - 325 kHz
AERON. RADIONAVIGATION Maritime Radionavigation (radiobeacons) 466 465 467	MARITIME RADIONAVIGATION (radiobeacons) 466 Aeron. Radionavigation	AERON. RADIONAVIGATION MARITIME RADIONAVIGATION (radiobeacons) 466
325 - 405 kHz	325 - 335 kHz	325 - 405 kHz
AERON. RADIONAVIGATION 465	AERON. RADIONAVIGATION Aeronautical Mobile Maritime Radionavigation (radiobeacons)	AERON. RADIONAVIGATION Aeronautical Mobile
	335 - 405 kHz	
	AERON. RADIONAVIGATION Aeronautical Mobile	
405 - 415 kHz	405 - 415 kHz	
RADIONAVIGATION 468 465	RADIONAVIGATION 468 Aeronautical Mobile	
415 - 435 kHz	415 - 495 kHz	
AERON. RADIONAVIGATION MARITIME MOBILE 470 465	MARITIME MOBILE 470 469 471 472A	
435 - 495 kHz		
MARITIME MOBILE 470 Aeron. Radionavigation 465 471 472A		
495 - 505 kHz	MOBILE (distress and calling) 472	
505 - 526.5 kHz	505 - 510 kHz	505 - 526.5 kHz
MARITIME MOBILE 470 AERON. RADIONAVIG. 473 465 471 474 475 476	MARITIME MOBILE 470 471	MARITIME MOBILE 470 474 AERON. RADIONAVIGATION Aeronautical Mobile Land Mobile 471
526.5 - 1606.5 kHz	510 - 525 kHz	
BROADCASTING 478	AERON. RADIONAVIGATION MOBILE 474	526.5 - 535 kHz
1606.5 - 1625 kHz	525 - 535 kHz	BROADCASTING Mobile 479
MARITIME MOBILE FIXED LAND MOBILE 483 484	AERON. RADIONAVIGATION BROADCASTING 477	535 - 1606.5 kHz
1625 - 1635 kHz	535 - 1605 kHz	BROADCASTING
RADIOLOCATION 487 485 486	BROADCASTING 1605 - 1625 kHz	
	BROADCASTING 480 481	

- RR 472A The frequency 490 kHz is used exclusively for distress and safety calls in the shore-to-ship direction employing digital selective calling techniques. The conditions for the use of this frequency are prescribed in Article 38. Additional conditions concerning the use of this frequency are given in Resolution 206.
- RR 473 In Region 1, in the band 505 - 526.5 kHz, the administrations which operate stations of the aeronautical radionavigation service shall take the technical steps necessary to avoid harmful interference to the Copyright 1987 Kl-ingenfuss Publications D-7400 Tuebingen FR Germany maritime mobile service.
- RR 474 The conditions for the use of the frequency 518 kHz by the maritime mobile service are prescribed in Article 38 (see Resolution 318).
- RR 475 In the band 515.5 - 526.5 kHz, AUT may continue to operate only those broadcasting stations listed in Additional Protocol III to the Final Acts, of the Regional Administrative LF/MF Broadcasting Conference (Regions 1 and 3), Geneva, 1975. This operation is allowed until the entry into force of a revision of the Geneva Plan, 1975, and subject to not causing harmful interference to the maritime mobile and aeronautical radionavigation services.
- RR 476 Additional allocation: In G, the band 519.5 - 526.5 kHz is also allocated to the broadcasting service on a secondary basis for the transmission of public utility information.
- RR 477 In Region 2, in the band 525 - 535 kHz the carrier power of broadcasting stations shall not exceed 1 kW during the day and 250 W at night.
- RR 478 Additional allocation: in AGL, BOT, LSO, MWI, MOZ, NMB, AFS, SWZ, ZMB and ZWE, the band 526.5 - 535 kHz is also allocated to the mobile service on a secondary basis.
- RR 479 Additional allocation: in CHN, the band 526.5 - 535 kHz is also allocated to the aeronautical radionavigation service on a secondary basis.
- RR 480 In Region 2, the use of the band 1605 - 1705 kHz by stations of the broadcasting service shall be subject to a plan to be established by a regional administrative radio conference (see Recommendation 504).
- RR 481 In Region 2, until the dates decided by the regional administrative radio conference referred to in RR 480, the band 1605 - 1705 kHz is allocated to the fixed, mobile and aeronautical radionavigation services on a primary basis and to the radiolocation service on a secondary basis (see Recommendation 504).
- RR 482 Additional allocation: in AUS, INS, NZL, PHL, SNG, CLN and THA, the band 1606.5 - 1705 kHz is also allocated to the broadcasting service on a secondary basis.
- RR 483 Different category of service: in BUL, HNG, MNG, NIG, POL, DDR, TCD, TCH and URS, the allocation of the bands 1606.5 - 1625 kHz, 1635 - 1800 kHz and 2107 - 2160 kHz to the fixed and land mobile services is on a primary basis (see RR 425).
- RR 484 Some countries of Region 1 use radiodetermination systems in the bands 1606.5 - 1625 kHz, 1635 - 1800 kHz, 1850 - 2160 kHz, 2194 - 2300 kHz, 2502 - 2850 kHz and 3500 - 3800 kHz. The establishment and operation of such systems are subject to agreement, obtained under the procedure set forth in Article 14. The radiated mean power of these stations shall not exceed 50W.
- RR 485 Additional allocation: in AGL, BUL, HNG, MNG, NIG, POL, DDR, TCD, TCH and URS, the bands 1625 - 1635 kHz, 1800 - 1810 kHz and 2160 - 2170 kHz are also allocated to the fixed and land mobile services on a primary basis subject to agreement obtained under the procedure set forth in Article 14.
- RR 486 In Region 1, in the bands 1625 - 1635 kHz, 1800 - 1810 kHz and 2160 - 2170 kHz (except in the countries listed in RR 485 and those listed in RR 499 for the band 2160 - 2170 kHz), existing stations in the fixed and mobile, except aeronautical mobile, services (and stations of the aeronautical mobile (OR) service in the band 2160 - 2170 kHz) may continue to operate on a primary basis until satisfactory replacement assignments have been found and implemented in accordance with Resolution 38.

FREQUENCY ALLOCATIONS 11

1635 - 1800 kHz	1625 - 1705 kHz	1606.5 - 1800 kHz
MARITIME MOBILE FIXED LAND MOBILE 483 484.488	BROADCASTING 480 FIXED MOBILE Radiolocation 481	FIXED MOBILE RADIOLOCATION RADIONAVIGATION 482
	1705 - 1800 kHz	
	AERON. RADIONAVIGATION FIXED MOBILE RADIOLOCATION	
1800 - 1810 kHz	1800 - 1850 kHz	1800 - 2000 kHz
RADIOLOCATION 487 485 486	AMATEUR 489	AMATEUR FIXED
1810 - 1850 kHz	1850 - 2000 kHz	MOBILE except aeronautical mobile RADIONAVIGATION Radiolocation 489
AMATEUR 490 491 492 493	AMATEUR FIXED MOBILE except aeronautical mobile RADIOLOCATION RADIONAVIGATION 489 494	
1850 - 2000 kHz		
FIXED MOBILE except aeronautical mobile 484 488 495		
2000 - 2025 kHz	2000 - 2065 kHz	
FIXED MOBILE except aeronautical mobile (R) 484 495	FIXED MOBILE	
2025 - 2045 kHz	2065 - 2107 kHz	
FIXED MOBILE except aeronautical mobile (R) Meteorological Aids 496 484 495	MARITIME MOBILE 497 498	
2045 - 2160 kHz	2107 - 2170 kHz	
MARITIME MOBILE FIXED LAND MOBILE 483 484	FIXED MOBILE	
2160 - 2170 kHz		
RADIOLOCATION 487 485 486 499		
2170 - 2173.5 kHz	MARITIME MOBILE	

- RR 487 In Region 1, the establishment and operation of stations of the radiolocation service in the bands 1625 - 1635 kHz, 1800 - 1810 kHz and 2160 - 2170 kHz shall be subject to agreement obtained under the procedure set forth in Article 14 (see also RR 486). The radiated mean power of radiolocation stations shall not exceed 50 W. Pulse systems are prohibited.
- RR 488 In D, DNK, FNL, HNG, IRL, ISR, JOR, MLT, NOR, POL, DDR, G, S, TCH and URS, administrations may allocate up to 200 kHz to their amateur service in the bands 1715 - 1800 kHz and 1850 - 2000 kHz. However, when allocating the bands within this range to their amateur service, administrations shall, after prior consultation with administrations of neighbouring countries, take such steps as may be necessary to prevent harmful interference from their amateur service to the fixed and mobile services of other countries. The mean power of any amateur station shall not exceed 10 W.
- RR 489 In Region 2, Loran stations operating in the band 1800 - 2000 kHz shall cease operation by 31 December 1982. In Region 3, the Loran system operates either on 1850 kHz or 1950 kHz, the bands occupied being 1825 - 1875 kHz and 1925 - 1975 kHz respectively. Other services to which the band 1800 - 2000 kHz is allocated may use any frequency therein on condition that no harmful interference is caused to the Loran system operating on 1850 kHz or 1950 kHz.
- RR 490 Alternative allocation: in D, AGL, AUT, BEL, BUL, CME, COG, DNK, EGY, E, ETH, F, GRC, I, LBN, LUX, MWI, HOL, POR, SYR, DDR, SOM, TZA, TUN, TUR and URS, the band 1810 - 1830 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.
- RR 491 Additional allocation: in ARS, IRQ, ISR, LBY, POL, ROU, TCD, TCH, TGO and YUG, the band 1810 - 1830 kHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.
- RR 492 In Region 1, the use of the band 1810 - 1850 kHz by the amateur service is subject to the condition that satisfactory replacement assignments have been found and implemented in accordance with Resolution 38, for frequencies to all existing stations of the fixed and mobile, except aeronautical mobile, services operating in this band (except for the stations of the countries listed in RRs 490, 491 and 493). On completion of satisfactory transfer, the authorization to use the band 1810 - 1850 kHz by the amateur service in countries situated totally or partially north of 40° N shall be given only after consultation with the countries mentioned in RRs 490 and 491 to define the necessary steps to be taken to prevent harmful interference between amateur stations and stations of other services operating in accordance with RRs 490 and 491.
- RR 493 Alternative allocation: in BDI and LSO, the band 1810 - 1850 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.
- RR 494 Alternative allocation: in ARG, BOL, CHL, MEX, PRG, PRU, URG and VEN, the band 1850 - 2000 kHz is allocated to the fixed, mobile except aeronautical mobile, radiolocation and radionavigation services on a primary basis.
- RR 495 In Region 1, in making assignments to stations in the fixed and mobile services in the bands 1850 - 2045 kHz, 2194 - 2498 kHz, 2502 - 2625 kHz and 2650 - 2850 kHz, administrations should bear in mind the special requirements of the maritime mobile service.
- RR 496 In Region 1, the use of the band 2025 - 2045 kHz by the meteorological aids service is limited to oceanographic buoy stations.
- RR 497 In Region 2, except in GRL, coast stations and ship stations using radio-telephony in the band 2065 - 2107 kHz shall be limited to class R3E or J3E emissions and to a peak envelope power not exceeding 1 kW. Preferably, the following carrier frequencies should be used: 2065.0 kHz, 2079.0 kHz, 2082.5 kHz, 2086.0 kHz, 2093.0 kHz, 2096.5 kHz, 2100.0 kHz and 2103.5 kHz. In ARG, B and URG, the carrier frequencies 2068.5 kHz and 2075.5 kHz are also used for this purpose, while the frequencies within the band 2072 - 2075.5 kHz are used as provided in RR 4245.

FREQUENCY ALLOCATIONS 13

2173.5 - 2190.5 kHz

MOBILE (distress and calling)
500 500A 500B 501

2190.5 - 2194 kHz

MARITIME MOBILE

2194 - 2300 kHz

2194 - 2300 kHz

FIXED
MOBILE except
aeronautical mobile (R)
484 495 502

FIXED
MOBILE
502

2300 - 2498 kHz

2300 - 2495 kHz

BROADCASTING 503
FIXED
MOBILE except
aeronautical mobile (R)
495

BROADCASTING 503
FIXED
MOBILE

2498 - 2501 kHz

2495 - 2501 kHz
STANDARD FREQUENCY AND TIME SIGNAL (2500 kHz)

STANDARD FREQUENCY AND
TIME SIGNAL (2500 kHz)

2501 - 2502 kHz

STANDARD FREQUENCY AND TIME SIGNAL
Space Research

2502 - 2625 kHz

2502 - 2505 kHz

FIXED
MOBILE except
aeronautical mobile (R)
484 495 504

STANDARD FREQUENCY AND TIME SIGNAL

2625 - 2650 kHz

2505 - 2850 kHz

FIXED
MOBILE

MARITIME MOBILE
MARITIME RADIONAVIGATION
484

2650 - 2850 kHz

FIXED
MOBILE except
aeronautical mobile (R)
484 495

2850 - 3025 kHz

AERONAUTICAL MOBILE (R)
501 505

3025 - 3155 kHz

AERONAUTICAL MOBILE (OR)

3155 - 3200 kHz

FIXED
MOBILE except aeronautical mobile (R)
506 507

3200 - 3230 kHz

BROADCASTING 503
FIXED
MOBILE except aeronautical mobile (R)
506

- RR 498 In Regions 2 and 3, provided no harmful interference is caused to the maritime mobile service, the frequencies between 2065 kHz and 2107 kHz may be used by stations of the fixed service communicating only within national borders and whose mean power does not exceed 50 W. In notifying the frequencies, the attention of the International Frequency Registration Board should be drawn to these provisions.
- RR 499 Additional allocation: in ARS, BOT, ETH, IRQ, LSO, LBY, MWI, SOM, SWZ and ZMB, the band 2160 - 2170 kHz is also allocated to the fixed and mobile, except aeronautical mobile (R), services on a primary basis. The mean power of stations in these services shall not exceed 50 W.
- RR 500 The carrier frequency 2182 kHz is an international calling and distress frequency for radiotelephony. The conditions for the use of the band 2173.5 - 2190.5 kHz are prescribed in Articles 38 and 60.
- RR 500A The frequencies 2187.5 kHz, 4188 kHz, 6282 kHz, 8375 kHz, 12563 kHz and 16750 kHz are international distress frequencies for digital selective calling. The conditions for the use of these frequencies are prescribed in Article 38.
- RR 500B The frequencies 2174.5 kHz, 4177.5 kHz, 6268 kHz, 8357.5 kHz, 12520 kHz and 16695 kHz are international distress frequencies for narrow-band direct-printing telegraphy. The conditions for the use of these frequencies are prescribed in Article 38.
- RR 501 The carrier frequencies 2182 kHz, 3023 kHz, 5680 kHz, 8364 kHz and the frequencies 121.5 MHz, 156.8 MHz and 243 MHz may also be used, in accordance with the procedures in force for terrestrial radiocommunication services, for search and rescue operations concerning manned space vehicles. The same applies to the frequencies 10003 kHz, 14993 kHz and 19993 kHz, but in each of these cases emissions must be confined in a band of plus minus 3 kHz about the frequency.
- RR 502 Alternative allocation: in BEL, CYP, DNK, E, F, GRC, ISL, I, MLT, NOR, HOL, POR, G, SNG, CLN, S, TUR and YUG, the band 2194 - 2300 kHz is allocated to the maritime mobile service on a primary basis and to the fixed and land mobile services on a permitted basis.
- RR 503 For the conditions for the use of the bands 2300 - 2495 kHz (2498 kHz in Region 1), 3200 - 3400 kHz, 4750 - 4995 kHz and 5005 - 5060 kHz by the broadcasting service, see RRs 406 to 410, 411 and 2666 to 2673.
- RR 504 Alternative allocation: in BEL, CYP, DNK, E, F, GRC, IRQ, I, MLT, NOR, HOL, POR, G, S, TUR and YUG, the band 2502 - 2625 kHz is allocated to the maritime mobile service on a primary basis and to the fixed and land mobile services on a permitted basis.
- RR 505 The carrier (reference) frequencies 3023 kHz and 5680 kHz may also be used, in accordance with RRs 2980 and 2984 respectively, by stations of the maritime mobile service engaged in coordinated search and rescue operations.
- RR 506 Administrations are urged to authorize the use of the band 3155 - 3195 kHz to provide a common worldwide channel for low power wireless hearing aids. Additional channels for these devices may also be assigned by administrations in the bands between 3155 kHz and 3400 kHz to suit local needs. It should be noted that frequencies in the range 3000 kHz to 4000 kHz are suitable for hearing aid devices which are designed to operate over short distances within the induction field.
- RR 507 Alternative allocation: in BEL, CME, CYP, CTI, DNK, EGY, E, F, GRC, ISL, I, LBR, MLT, NOR, HOL, G, SNG, CLN, S, TGO, TUR and YUG, the band 3155 - 3200 kHz is allocated to the maritime mobile service on a primary basis and to the fixed and land mobile services on a permitted basis.

FREQUENCY ALLOCATIONS 15

3230 - 3400 kHz
BROADCASTING 503
FIXED
MOBILE except aeronautical mobile
506 508

3400 - 3500 kHz AERONAUTICAL MOBILE (R)

3500 - 3800 kHz 3500 - 3750 kHz 3500 - 3900 kHz

AMATEUR 510 AMATEUR 510 AMATEUR 510
FIXED 509 511 FIXED
MOBILE except MOBILE
aeronautical mobile

484 3750 - 4000 kHz 3900 - 3950 kHz

3800 - 3900 kHz AMATEUR 510
FIXED
MOBILE except AERONAUTICAL MOBILE
aeronautical mobile (R) BROADCASTING

AERONAUTICAL MOBILE (OR) 511 512 514 515 3950 - 4000 kHz
FIXED
LAND MOBILE

3900 - 3950 kHz BROADCASTING
FIXED
516

AERONAUTICAL MOBILE (OR)
513

3950 - 4000 kHz

BROADCASTING
FIXED

4000 - 4063 kHz FIXED
MARITIME MOBILE 517
516

4063 - 4438 kHz MARITIME MOBILE 500A 500B 520
518 519

4438 - 4650 kHz 4438 - 4650 kHz
FIXED FIXED
MOBILE except aeronautical mobile (R) MOBILE except
aeronautical mobile

4650 - 4700 kHz AERONAUTICAL MOBILE (R)

4700 - 4750 kHz AERONAUTICAL MOBILE (OR)

4750 - 4850 kHz 4750 - 4850 kHz 4750 - 4850 kHz
AERONAUTICAL MOBILE (OR) BROADCASTING 503 BROADCASTING 503
BROADCASTING 503 FIXED
FIXED MOBILE except
LAND MOBILE aeronautical mobile (R) Land Mobile

4850 - 4995 kHz BROADCASTING 503
FIXED
LAND MOBILE

4995 - 5003 kHz STANDARD FREQUENCY AND TIME SIGNAL (5000 kHz)

- RR 508 Additional allocation: in AUS, B, CAN, USA, J, MEX, NZL, PRU and URG, the band 3230 - 3400 kHz is also allocated to the radiolocation service on a secondary basis.
- RR 509 Additional allocation: in HND, MEX, PRU and VEN, the band 3500 - 3750 kHz is also allocated to the fixed and mobile services on a primary basis.
- RR 510 For the use of the bands allocated to the amateur service at 3.5 MHz, 7.0 MHz, 10.1 MHz, 14.0 MHz, 18.068 MHz, 21.0 MHz, 24.89 MHz and 144 MHz in the event of natural disasters, see Resolution 640.
- RR 511 Additional allocation: in B, the band 3700 - 4000 kHz is also allocated to the radiolocation service on a primary basis.
- RR 512 Alternative allocation: in ARG, BOL, CHL, EQA, PRG, PRU and URG, the band 3750 - 4000 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.
- RR 513 Alternative allocation: in BOT, LSO, MWI, MOZ, NMB, AFS, SWZ, ZMB and ZWE, the band 3900 - 3950 kHz is allocated to the broadcasting service on a primary basis. The use of this band by the broadcasting service is subject to agreement obtained under the procedure set forth in Article 14 with neighbouring countries having services operating in accordance with the Table.
- RR 514 Additional allocation: in CAN, the band 3950 - 4000 kHz is also allocated to the broadcasting service on a primary basis. The power of broadcasting stations operating in this band shall not exceed that necessary for a national service within the frontiers of this country and shall not cause harmful interference to other services operating in accordance with the Table.
- RR 515 Additional allocation: in GRL, the band 3950 - 4000 kHz is also allocated to the broadcasting service on a primary basis. The power of the broadcasting stations operating in this band shall not exceed that necessary for a national service and shall in no case exceed 5 kW.
- RR 516 In Region 3, the stations of those services to which the band 3995 - 4005 kHz is allocated may transmit standard frequency and time signals.
- RR 517 The use of the band 4000 - 4063 kHz by the maritime mobile service is limited to ship stations using radiotelephony (see RR 4374).
- RR 518 In AFG, AUS, BOT, CHN, IND, SWZ, TCD and URS, in the bands 4063 - 4123 kHz, 4130 - 4133 kHz and 4408 - 4438 kHz, stations of limited power in the fixed service which are situated at least 600 km from the coast may operate on condition, that harmful interference is not caused to the maritime mobile service.
- RR 519 On condition that harmful interference is not caused to the maritime mobile service, the frequencies in the bands 4063 - 4123 kHz and 4130 - 4438 kHz may be used exceptionally by stations in the fixed service communicating only within the boundary of the country in which they are located with a mean power not exceeding 50 W.
- RR 520 The conditions for the use of the carrier frequencies 4125 kHz and 6215.5 kHz are prescribed in Articles 38 and 60.

FREQUENCY ALLOCATIONS 17

5003 - 5005 kHz	STANDARD FREQUENCY AND TIME SIGNAL Space Research	
5005 - 5060 kHz	BROADCASTING 503 FIXED	
5060 - 5250 kHz	FIXED Mobile except aeronautical mobile 521	
5250 - 5450 kHz	FIXED MOBILE except aeronautical mobile	
5450 - 5480 kHz	5450 - 5480 kHz	5450 - 5480 kHz
AERONAUTICAL MOBILE (OR) FIXED LAND MOBILE	AERONAUTICAL MOBILE (R)	AERONAUTICAL MOBILE (OR) FIXED LAND MOBILE
5480 - 5680 kHz	AERONAUTICAL MOBILE (R) 501 505	
5680 - 5730 kHz	AERONAUTICAL MOBILE (OR) 501 505	
5730 - 5950 kHz	5730 - 5950 kHz	5730 - 5950 kHz
FIXED LAND MOBILE	FIXED MOBILE except aeronautical mobile (R)	FIXED Mobile except aeronautical mobile (R)
5950 - 6200 kHz	BROADCASTING	
6200 - 6525 kHz	MARITIME MOBILE 500A 500B 520 522	
6525 - 6685 kHz	AERONAUTICAL MOBILE (R)	
6685 - 6765 kHz	AERONAUTICAL MOBILE (OR)	
6765 - 7000 kHz	FIXED Land Mobile 525 524	
7000 - 7100 kHz	AMATEUR 510 AMATEUR-SATELLITE 526 527	
7100 - 7300 kHz	7100 - 7300 kHz	7100 - 7300 kHz
BROADCASTING	AMATEUR 510 528	BROADCASTING
7300 - 8100 kHz	FIXED Land Mobile 529	
8100 - 8195 kHz	FIXED MARITIME MOBILE	
8195 - 8815 kHz	MARITIME MOBILE 500A 500B 529A 501	

- RR 521 Different category of service: in URS, the allocation of the band 5130 - 5250 kHz to the mobile, except aeronautical mobile, service is on a primary basis (see RR 425).
- RR 522 On condition that harmful interference is not caused to the maritime mobile service, the bands 6200 - 6213.5 kHz and 6220.5 - 6525 kHz may be used exceptionally by stations in the fixed service, communicating only within the boundary of the country in which they are located, with a mean power not exceeding 50 W. At the time of notification of these frequencies, the attention of the International Frequency Registration Board will be drawn to the above conditions.
- RR 524 The band 6765 - 6795 kHz (centre frequency 6780 kHz) is designated for industrial, scientific and medical (ISM) applications. The use of this frequency band for ISM applications shall be subject to special authorization by the administration concerned, in agreement with other administrations whose radiocommunication services might be affected. In applying this provision, administrations shall have due regard to the latest CCIR Recommendations.
- RR 525 Different category of service: in MNG and URS, the allocation of the band 6765 - 7000 kHz to the land mobile service is on a primary basis (see RR 425).
- RR 526 Additional allocation: in AGL, IRQ, KEN, RRW, SOM and TGO, the band 7000 - 7050 kHz is also allocated to the fixed service on a primary basis.
- RR 527 Alternative allocation: in EGY, ETH, GUI, LBY, MDG, MWI and TZA, the band 7000 - 7050 kHz is allocated to the fixed service on a primary basis.
- RR 528 The use of the band 7100 - 7300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3.
- RR 529 In Region 3, the stations of those services to which the band 7995 - 8005 kHz is allocated may transmit standard frequency and time signals.
- RR 529A The conditions for the use of the carrier frequencies 8257 kHz, 12392 kHz and 16522 kHz are prescribed in Articles 38 and 60.

FREQUENCY ALLOCATIONS 19

8815 - 8965 kHz	AERONAUTICAL MOBILE (R)
8965 - 9040 kHz	AERONAUTICAL MOBILE (OR)
9040 - 9500 kHz	FIXED
9500 - 9900 kHz	BROADCASTING 530 531
9900 - 9995 kHz	FIXED
9995 - 10003 kHz	STANDARD FREQUENCY AND TIME SIGNAL (10000 kHz) 501
10003 - 10005 kHz	STANDARD FREQUENCY AND TIME SIGNAL Space Research 501
10005 - 10100 kHz	AERONAUTICAL MOBILE (R) 501
10100 - 10150 kHz	FIXED Amateur 510
10150 - 11175 kHz	FIXED Mobile except aeronautical mobile (R)
11175 - 11275 kHz	AERONAUTICAL MOBILE (OR)
11275 - 11400 kHz	AERONAUTICAL MOBILE (R)
11400 - 11650 kHz	FIXED
11650 - 12050 kHz	BROADCASTING 530 531
12050 - 12230 kHz	FIXED
12230 - 13200 kHz	MARITIME MOBILE 500A 500B 529A 532
13200 - 13260 kHz	AERONAUTICAL MOBILE (OR)
13260 - 13360 kHz	AERONAUTICAL MOBILE (R)
13360 - 13410 kHz	FIXED RADIO ASTRONOMY 533
13410 - 13600 kHz	FIXED Mobile except aeronautical mobile (R) 534
13600 - 13800 kHz	BROADCASTING 531
13800 - 14000 kHz	FIXED Mobile except aeronautical mobile (R)
14000 - 14250 kHz	AMATEUR 510 AMATEUR-SATELLITE

- RR 530 On condition that harmful interference is not caused to the broadcasting service, frequencies in the bands 9775 - 9900 kHz, 11650 - 11700 kHz and 11975 - 12050 kHz may be used by stations in the fixed service communicating only within the boundary of the country in which they are located, each station not using a total radiated power exceeding 24 dBW.
- RR 531 The bands 9775 - 9900 kHz, 11650 - 11700 kHz, 11975 - 12050 kHz, 13600 - 13800 kHz, 15450 - 15600 kHz, 17550 - 17700 kHz and 21750 - 21850 kHz are allocated to the fixed service on a primary basis subject to the procedure described in Resolution 8. The use of these bands by the broadcasting service shall be subject to provisions to be established by the world administrative radio conference for the planning of HF bands allocated to the broadcasting service (see Resolution 508). Within these bands, the date of commencement of operations in the broadcasting service on a planned channel shall not be earlier than the date of completion of satisfactory transfer, according to the procedure described in Resolution 8, of all assignments to stations in the fixed service operating in accordance with the Table and other provisions of the Radio Regulations, which are recorded in the Master Register and which may be affected by broadcasting operations on that channel.
- RR 532 The bands 12230 - 12330 kHz, 16360 - 16460 kHz, 17360 - 17410 kHz, 18780 - 18900 kHz, 19680 - 19800 kHz and 22720 - 22855 kHz are allocated to the fixed service on a primary basis subject to the procedure described in Resolution 8. The use of these bands by the maritime mobile service shall be subject to provisions to be decided by a competent world administrative radio conference. The date of commencement of operations in the maritime mobile service on a frequency in accordance with the above-mentioned provisions shall not be earlier than the date of completion of satisfactory transfer, in accordance with the procedure described in Resolution 8, of all assignments to stations in the fixed service operating in accordance with the Table and other provisions of the Radio Regulations which are recorded in the Master Register and which may be affected by maritime mobile operations on that frequency.
- RR 533 In making assignments to stations of other services to which the band 13360 - 13410 kHz is allocated, administrations are urged to take all practicable steps to protect the radio astronomy service from harmful interference. Emissions from space or airborne stations can be particularly serious sources of interference to the radio astronomy service (see RRs 343 and 344 and Article 36).
- RR 534 The band 13553 - 13567 kHz (centre frequency 13560 kHz) is designated for industrial, scientific and medical (ISM) applications. Radiocommunication services operating within this band must accept harmful interference which may be caused by these applications. ISM equipment operating in this band is subject to the provisions of RR 1815.

FREQUENCY ALLOCATIONS 21

14250 - 14350 kHz	AMATEUR 510 535
14350 - 14990 kHz	FIXED Mobile except aeronautical mobile (R)
14990 - 15005 kHz	STANDARD FREQUENCY AND TIME SIGNAL (15000 kHz) 501
15005 - 15010 kHz	STANDARD FREQUENCY AND TIME SIGNAL Space Research
15010 - 15100 kHz	AERONAUTICAL MOBILE (OR)
15100 - 15600 kHz	BROADCASTING 531
15600 - 16360 kHz	FIXED 536
16360 - 17410 kHz	MARITIME MOBILE 500A 500B 529A 532
17410 - 17550 kHz	FIXED
17550 - 17900 kHz	BROADCASTING 531
17900 - 17970 kHz	AERONAUTICAL MOBILE (R)
17970 - 18030 kHz	AERONAUTICAL MOBILE (OR)
18030 - 18052 kHz	FIXED
18052 - 18068 kHz	FIXED Space Research
18068 - 18168 kHz	AMATEUR 510 AMATEUR-SATELLITE 537 538
18168 - 18780 kHz	FIXED
18780 - 18900 kHz	MARITIME MOBILE 532
18900 - 19680 kHz	FIXED
19680 - 19800 kHz	MARITIME MOBILE 532
19800 - 19990 kHz	FIXED
19990 - 19995 kHz	STANDARD FREQUENCY AND TIME SIGNAL Space Research 501
19995 - 20010 kHz	STANDARD FREQUENCY AND TIME SIGNAL (20000 kHz) 501
20010 - 21000 kHz	FIXED Mobile

- RR 535 Additional allocation: In AFG, CHN, CTI, IRN and URS, the band 14250 - 14350 kHz is also allocated to the fixed service on a primary basis. Stations of the fixed service shall not use a radiated power exceeding 24 dBW.
- RR 536 In Region 3, the stations of those services to which the band 15995 - 16005 kHz is allocated may transmit standard frequency and time signals.
- RR 537 The band 18068 - 18168 kHz is allocated to the fixed service on a primary basis subject to the procedure described in Resolution 8. The use of this band by the amateur and amateur-satellite services shall be subject to the complete transfer of all assignments to stations in the fixed service operating in this band and recorded in the Master Register, in accordance with the procedure described in Resolution 8.
- RR 538 Additional allocation: in URS, the band 18068 - 18168 kHz is also allocated to the fixed service on a primary basis for use within the boundary of URS, with a peak envelope power not exceeding 1 kW.

FREQUENCY ALLOCATIONS 23

21000 - 21450 kHz	AMATEUR 510 AMATEUR-SATELLITE
21450 - 21850 kHz	BROADCASTING 531
21850 - 21870 kHz	FIXED 539
21870 - 21924 kHz	AERONAUTICAL FIXED
21924 - 22000 kHz	AERONAUTICAL MOBILE (R)
22000 - 22855 kHz	MARITIME MOBILE 532 540
22855 - 23000 kHz	FIXED 540
23000 - 23200 kHz	FIXED Mobile except aeronautical mobile (R) 540
23200 - 23350 kHz	AERONAUTICAL FIXED AERONAUTICAL MOBILE (OR)
23350 - 24000 kHz	FIXED Mobile except aeronautical mobile 541 542
24000 - 24890 kHz	FIXED LAND MOBILE 542
24890 - 24990 kHz	AMATEUR 510 AMATEUR-SATELLITE 542 543
24990 - 25005 kHz	STANDARD FREQUENCY AND TIME SIGNAL (25000 kHz)
25005 - 25010 kHz	STANDARD FREQUENCY AND TIME SIGNAL Space Research
25010 - 25070 kHz	FIXED MOBILE except aeronautical mobile
25070 - 25210 kHz	MARITIME MOBILE 544
25210 - 25550 kHz	FIXED MOBILE except aeronautical mobile
25550 - 25670 kHz	RADIO ASTRONOMY 545
25670 - 26100 kHz	BROADCASTING
26100 - 26175 kHz	MARITIME MOBILE 544

- RR 539 Alternative allocation: in BUL, HNG, MNG, POL, TCH and URS, the band 21850 - 21870 kHz is allocated to the aeronautical fixed and the aeronautical mobile (R) services on a primary basis.
- RR 540 Additional allocation: in NIG, the band 22720 - 23200 kHz is also allocated to the meteorological aids service (radiosondes) on a primary basis.
- RR 541 The use of the band 23350 - 24000 kHz by the maritime mobile service is limited to inter-ship radiotelegraphy.
- RR 542 Additional allocation: in KEN, the band 23600 - 24900 kHz is also allocated to the meteorological aids service (radiosondes) on a primary basis.
- RR 543 The band 24890 - 24990 kHz is allocated to the fixed and land mobile services on a primary basis subject to the procedure described in Resolution 8. The use of this band by the amateur and amateur-satellite services shall be subject to the completion of the satisfactory transfer of all assignments to fixed and land mobile stations operating in this band and recorded in the Master Register, in accordance with the procedure described in Resolution 8.
- RR 544 The bands 25110 - 25210 kHz and 26100 - 26175 kHz are also allocated to the fixed and land mobile services on a primary basis subject to the procedure described in Resolution 8. The use of these bands on an exclusive basis by the maritime mobile service shall be subject to provisions to be decided by a competent world administrative radio conference. The date of commencement of operations in the maritime mobile service on a frequency in accordance with the above-mentioned provisions shall not be earlier than the date of completion of satisfactory transfer, in accordance with the procedure described in Resolution 8, of all assignments to stations in the fixed and land mobile services operating in accordance with the Table and other provisions of the Radio Regulations recorded in the Master Register and which may be affected by such maritime mobile operations on that frequency.
- RR 545 The band 25550 - 25600 kHz is allocated to the fixed and land mobile, except aeronautical mobile, service on a primary basis subject to the procedure described in Resolution 8. The use of this band by the radio astronomy service shall be subject to the completion of satisfactory transfer of all assignments to stations in the fixed and mobile, except aeronautical mobile, services operating in this band and recorded in the Master Register, in accordance with the procedure described in Resolution 8. The band 25600 - 25670 kHz is allocated to the broadcasting service on a primary basis, subject to provisions to be established by the world administrative radio conference for the planning of HF bands allocated to the broadcasting service (see Resolution 508). After completion of all the above-mentioned provisions, all emissions capable of causing harmful interference to the radio astronomy service in the band 25550 - 25670 kHz shall be avoided. The use of passive sensors by other services will also be authorized.

FREQUENCY ALLOCATIONS 25

26175 - 27500 kHz	FIXED MOBILE except aeronautical mobile 546
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27.5 - 28 MHz	FIXED METEOROLOGICAL AIDS MOBILE
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28 - 29.7 MHz	AMATEUR AMATEUR-SATELLITE
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29.7 - 30.005 MHz	FIXED MOBILE
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30.005 - 30.01 MHz	FIXED MOBILE SPACE OPERATION (satellite identification) SPACE RESEARCH
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30.01 - 37.5 MHz	FIXED MOBILE
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37.5 - 38.25 MHz	FIXED MOBILE Radio Astronomy 547
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38.25 - 39.986 MHz	FIXED MOBILE
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39.986 - 40.02 MHz	FIXED MOBILE Space Research
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40.02 - 40.98 MHz	FIXED MOBILE 548
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40.98 - 41.015 MHz	FIXED MOBILE Space Research 549 550 551
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41.015 - 44 MHz	FIXED MOBILE 549 550 551
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44 - 47 MHz	FIXED MOBILE 551 552
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- RR 546 The band 26957 - 27283 kHz (centre frequency 27120 kHz) is designated for industrial, scientific and medical (ISM) applications. Radiocommunication services operating within this band must accept harmful interference which may be caused by these applications. ISM equipment operating in this band is subject to the provisions of RR 1815.
- RR 547 In making assignments to stations of other services to which the band 37.5 - 38.25 MHz is allocated, administrations are urged to take all practicable steps to protect the radio astronomy service from harmful interference. Emissions from space or airborne stations can be particularly serious sources of interference to the radio astronomy service (see RRs 343 and 344 and Article 36).
- RR 548 The band 40.66 - 40.70 MHz (centre frequency 40.68 MHz) is designated for industrial, scientific and medical (ISM) applications. Radiocommunication services operating within this band must accept harmful interference which may be caused by these applications. ISM equipment operating in this band is subject to the provisions of RR 1815.
- RR 549 Additional allocation: in BOT, BDI, LSO, MWI, NMB, RRW, AFS, SWZ, ZAI, ZMB and ZWE the band 41 - 44 MHz is also allocated to the aeronautical radio-navigation service on a primary basis.
- RR 550 Additional allocation: in IRN and J, the band 41 - 44 MHz is also allocated to the radiolocation service on a secondary basis.
- RR 551 Additional allocation: in F and MCO, the band 41 - 47 MHz is also allocated to the broadcasting service on a primary basis until 01 January 1986 and, in G, until 01 January 1987.
- RR 552 Additional allocation: in AUS and NZL, the band 44 - 47 MHz is also allocated to the broadcasting service on a primary basis.

FREQUENCY ALLOCATIONS 27

47 - 68 MHz	47 - 50 MHz	47 - 50 MHz
BROADCASTING	FIXED	BROADCASTING
553 554 555 559 561	MOBILE	FIXED
-----		MOBILE
68 - 74.8 MHz	-----	
FIXED	50 - 54 MHz	
MOBILE except	AMATEUR	
aeronautical mobile	556 557 558 560	
564 565 567 568 571 572	-----	
	54 - 68 MHz	54 - 68 MHz
	BROADCASTING	BROADCASTING
	Fixed	FIXED
	Mobile	MOBILE
	562	-----
	68 - 72 MHz	68 - 74.8 MHz
	BROADCASTING	FIXED
	Fixed	MOBILE
	Mobile	566 568 571 572
	563	-----
	72 - 73 MHz	
	FIXED	
	MOBILE	

	73 - 74.6 MHz	
	RADIO ASTRONOMY	
	569 570	

	74.6 - 74.8 MHz	
	FIXED	
	MOBILE	
	572	

- RR 553 Additional allocation: in HNG, KEN, MNG, TCH and URS, the bands 47 - 48.5 MHz and 56.5 - 58 MHz are also allocated to the fixed and land mobile services on a secondary basis.
- RR 554 Additional allocation: in ALB, D, AUT, BEL, BUL, DNK, FNL, F, GAB, GRC, ISR, I, LBN, LIE, LUX, MLI, MLT, MRC, NIG, NOR, HOL, POL, DDR, G, SEN, S, SUI, TUN, TUR and YUG, the band 47 - 68 MHz, and in ROU, the band 47 - 58 MHz, are also allocated to the land mobile service on a permitted basis. However, stations of the land mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause harmful interference to, or claim protection from, existing or planned broadcasting stations of countries other than those mentioned in connection with the band.
- RR 555 Additional allocation: in AGL, CME, COG, MDG, MOZ, SOM, SDN, TZA, TCD and YMS, the band 47 - 68 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a permitted basis.
- RR 556 Alternative allocation: in NZL, the band 50 - 51 MHz is allocated to the fixed, mobile and broadcasting services on a primary basis; the band 53 - 54 MHz is allocated to the fixed and mobile services on a primary basis.
- RR 557 Alternative allocation: in AFG, BGD, BRU, IND, INS, IRN, MLA, PAK, SNG and THA, the band 50 - 54 MHz is allocated to the fixed, mobile and broadcasting services on a primary basis.
- RR 558 Additional allocation: in AUS, CHN and KRE, the band 50 - 54 MHz is also allocated to the broadcasting service on a primary basis.
- RR 559 Alternative allocation: in BOT, BDI, LSO, MWI, NMB, RRW, AFS, SWZ, ZAI, ZMB and ZWE, the band 50 - 54 MHz is allocated to the amateur service on a primary basis.
- RR 560 Additional allocation: in NZL, the band 51 - 53 MHz is also allocated to the fixed and mobile services on a primary basis.
- RR 561 Additional allocation: in BOT, BDI, LSO, MWI, NMB, RRW, AFS, SWZ, ZAI, ZMB and ZWE, the band 54 - 68 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.
- RR 562 Different category of service: in the French Overseas Departments in Region 2, GUY, JMC and MEX, the allocation of the band 54 - 68 MHz to the fixed and mobile services is on a primary basis (see RR 425).
- RR 563 Different category of service: in CUB, the French Overseas Departments in Region 2, GUY, JMC and MEX, the allocation of the band 68 - 72 MHz to the fixed and mobile services is on a primary basis (see RR 425).
- RR 564 Alternative allocation: in BUL, HNG, POL, ROU and TCH, the band 68 - 73 MHz is allocated to the broadcasting service on a primary basis and used in accordance with the decisions in the Final Acts of the Special Regional Conference, Geneva, 1960.
- RR 565 Alternative allocation: in MNG and URS, the bands 68 - 73 MHz and 76 - 87.5 MHz are allocated to the broadcasting service on a primary basis. The services to which these bands are allocated in other countries and the broadcasting service in MNG and URS are subject to agreements with the neighbouring countries concerned.
- RR 566 Additional allocation: in AUS, CHN, KOR, PHL, KRE and SMO, the band 68 - 74 MHz is also allocated to the broadcasting service on a primary basis.
- RR 567 Additional allocation: in BUL, HNG, MNG, POL, TCH and URS, the band 73 - 74 MHz is also allocated to the broadcasting service on a primary basis. The use of this band by the broadcasting service in BUL, HNG, MNG, POL, TCH and URS is subject to agreement obtained under the procedure set forth in Article 14.
- RR 568 In making assignments to stations of other services to which the band 73 - 74.6 MHz is allocated, administrations are urged to take all practicable steps to protect the radio astronomy service from harmful interference. Emissions of space or airborne stations can be particularly serious sources of interference to the radio astronomy service (see RRs 343 and 344 and Article 36).
- RR 569 In Region 2, the fixed, mobile and broadcasting services previously authorized in the band 73 - 74.6 MHz may continue to operate on a non-interference basis to the radio astronomy service until 31 December 1985.

FREQUENCY ALLOCATIONS 29

74.8 - 75.2 MHz

AERONAUTICAL RADIONAVIGATION
572

75.2 - 87.5 MHz

75.2 - 75.4 MHz

FIXED
MOBILE except
aeronautical mobile
565 571 572 575 578

FIXED
MOBILE
571 572

87.5 - 100 MHz

75.4 - 76 MHz

75.4 - 87 MHz

BROADCASTING
581 582

FIXED
MOBILE

FIXED
MOBILE
573 574 577 579

76 - 88 MHz

87 - 100 MHz

BROADCASTING
Fixed
Mobile
576

BROADCASTING
FIXED
MOBILE
580

88 - 100 MHz

BROADCASTING

- RR 570 Additional allocation: in CLM, CTR, CUB, SLV, EQA, GTM, GUY, HND and NCG, the band 73 - 74.6 MHz is also allocated to the fixed and mobile services on a secondary basis.
- RR 571 Additional allocation: in BUL, CHN, HNG, MNG, POL, TCH and URS, the bands 74.6 - 74.8 MHz and 75.2 - 75.4 MHz are also allocated to the aeronautical radionavigation service, on a primary basis, for ground-based transmitters only.
- RR 572 The frequency 75 MHz is assigned to aeronautical marker beacons. Administrations shall refrain from assigning frequencies close to the limits of the guardband to stations of other services which, because of their power or geographical position, might cause harmful interference or otherwise place a constraint on marker beacons.
Until 31 December 1989, administrations in Regions 2 and 3 should refrain from assigning frequencies to stations of other services in the bands 74.6 - 74.8 MHz and 75.2 - 75.4 MHz.
In the future every effort should be made to improve further the characteristics of airborne receivers and to limit the power of transmitting stations close to the limits 74.8 MHz and 75.2 MHz.
- RR 573 Additional allocation: in SMO, the band 75.4 - 87 MHz is also allocated to the broadcasting service on a primary basis.
- RR 574 Additional allocation: in CHN, KOR, J, PHL and KRE, the band 76 - 87 MHz is also allocated to the broadcasting service on a primary basis.
- RR 575 Additional allocation: in BUL, HNG, POL, ROU and TCH, the band 76 - 87.5 MHz is also allocated to the broadcasting service on a primary basis and used in accordance with the decisions contained in the Final Acts of the Special Regional Conference, Geneva, 1960.
- RR 576 Different category of service: in USA, the French Overseas Departments in Region 2, GUY, JMC, MEX and PRG, the allocation of the band 76 - 88 MHz to the fixed and mobile services is on a primary basis (see RR 425).
- RR 577 In Region 3 (except in KOR, IND, J, MLA, PHL, SNG and THA), the band 79.75 - 80.25 MHz is also allocated to the radio astronomy service on a primary basis. In making assignments to stations of other services, administrations are urged to take all practicable steps in the band to protect the radio astronomy service from harmful interference. Emissions from space or airborne stations can be particularly serious sources of interference to the radio astronomy service (see RRs 343 and 344 and Article 36).
- RR 578 Alternative allocation: in ALB, the band 81 - 87.5 MHz is also allocated to the broadcasting service on a primary basis and used in accordance with the Copyright 1987 Klingenfuss Publications D-7400 Tuebingen FRG decisions contained in the Final Acts of the Special Regional Conference, Geneva, 1960.
- RR 579 Additional allocation: in AFG and AUS, the band 85 - 87 MHz is also allocated to the broadcasting service on a primary basis. The introduction of the broadcasting service in these countries is subject to special agreements between the administrations concerned.
- RR 580 Alternative allocation: in NZL, the band 87 - 88 MHz is allocated to the land mobile service on a primary basis.
- RR 581 Additional allocation: in D, E, F, IRL, I, LIE, MCO, G, SUI and YMS, the band 87.5 - 88 MHz is also allocated to the land mobile service on a permitted basis and subject to agreement obtained under the procedure set forth in Article 14.
- RR 582 Additional allocation: in G, the band 97.6 - 102.1 MHz is also allocated to the land mobile service on a permitted basis until 31 December 1989. The use of this band by the land mobile service is restricted to those stations in operation on 01 January 1980. The withdrawal of land mobile stations will be arranged in consultation with the administrations concerned.
- RR 583 In Region 1, existing systems in the fixed and mobile, except aeronautical mobile (R), services may continue to use the band 100 - 104 MHz on a primary basis until the date of entry into force of the new regional broadcasting agreement referred to in Resolution 510 or 01 January 1985, whichever is the earlier date.

FREQUENCY ALLOCATIONS 31

100 - 108 MHz	BROADCASTING 582 583 584 585 586 587 588 589 590
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108 - 117.975 MHz	AERONAUTICAL RADIONAVIGATION
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117.975.- 136 MHz	AERONAUTICAL MOBILE (R) 501 591 592 593 594
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136 - 137 MHz	AERONAUTICAL MOBILE (R) Fixed Mobile except aeronautical mobile (R) 591 595
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137 - 138 MHz	METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE OPERATION (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) 596 597 598 599
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- RR 584 Broadcasting stations in the band 100 - 108 MHz in Region 1 shall be established and operated in accordance with an agreement and associated plan for the band 87.5 - 108 MHz to be drawn up by a regional broadcasting conference (see Resolution 510). Prior to the date of entry into force of this agreement, broadcasting stations may be introduced subject to agreement between administrations concerned, on the understanding that such an operation shall in no case prejudice the establishment of the plan.
- RR 585 Additional allocation: in CHN, KOR, PHL and SNG, the band 100 - 108 MHz is also allocated to the fixed and mobile services on a permitted basis.
- RR 586 Alternative allocation: in NZL, the band 100 - 108 MHz is allocated to the land mobile service on a primary basis and to the broadcasting service on a secondary basis.
- RR 587 Additional allocation: in AUT, BUL, HNG, ISR, KEN, MNG, POL, SYR, DDR, G, SOM, TCH and URS, the band 104 - 108 MHz is also allocated to the mobile, except aeronautical mobile (R), service on a permitted basis until 31 December 1995 and, thereafter, on a secondary basis.
- RR 588 Additional allocation: in FNL and YUG, the band 104 - 108 MHz is also allocated to the fixed service on a permitted basis, until 31 December 1995. The effective radiated power of any station shall not exceed 25 W.
- RR 589 Additional allocation: in F, ROU, S, TUR and YUG, the band 104 - 108 MHz is also allocated to the mobile, except aeronautical mobile (R), service on a permitted basis until 31 December 1995.
- RR 590 Additional allocation: in I, the band 104 - 108 MHz is also allocated to the land mobile service on a primary basis until the date of entry into force of the new regional broadcasting agreement referred to in Resolution 510 or 01 January 1985, whichever is the earlier date.
- RR 591 Subject to agreement obtained under the procedure set forth in Article 14, the band 117.975 - 137 MHz is also allocated to the aeronautical mobile-satellite (R) service on a secondary basis and on the condition that harmful interference is not caused to the aeronautical mobile (R) service.
- RR 592 The bands 121.45 - 121.55 and 242.95 - 243.05 MHz are also allocated to the mobile-satellite service for the reception on board satellites of emissions from emergency position-indicating radiobeacons transmitting at 121.5 MHz and 243 MHz (see RRs 3259 and 3267).
- RR 593 In the band 117.975 - 136 MHz, the frequency 121.5 MHz is the aeronautical emergency frequency and, where required, the frequency 123.1 MHz is the aeronautical frequency auxiliary to 121.5 MHz. Mobile stations of the maritime mobile service may communicate on these frequencies under the conditions laid down in Article 38 for distress and safety purposes with stations of the aeronautical mobile service.
- RR 594 Additional allocation: in AGL, BUL, HNG, IRN, IRQ, J, MNG, MOZ, PNG, POL, DDR, ROU, TCH and URS, the band 132 - 136 MHz is also allocated to the aeronautical mobile (OR) service on a permitted basis.
- RR 595 Until 01 January 1990, the band 136 - 137 MHz is also allocated to the space operation service (space-to-Earth), meteorological-satellite service (space-to-Earth) and the space research service (space-to-Earth) on a primary basis. The introduction of stations of the aeronautical mobile (R) service shall only occur after that date and shall be effected in accordance with internationally agreed plans for that service. After 01 January 1990, the band 136 - 137 MHz will also be allocated to the above-mentioned space radiocommunication services on a secondary basis (see Recommendation 404).
- RR 596 Different category of service: in AFG, ARS, BHR, BRU, CHN, UAE, IND, INS, IRN, IRQ, KWT, MLA, OMA, PAK, QAT, SNG, THA, YEM and YMS, the allocation of the band 137 - 138 MHz to the fixed and mobile, except aeronautical mobile (R), services is on a primary basis (see RR 425).
- RR 597 Different category of service: in ISR, JOR and SYR, the allocation of the band 137 - 138 MHz to the fixed and mobile, except aeronautical mobile, services is on a primary basis (see RR 425).
- RR 598 Different category of service: in AUT, BUL, EGY, FNL, GRC, HNG, LBN, MNG, POL, DDR, ROU, TCH, URS and YUG, the allocation of the band 137 - 138 MHz to the aeronautical mobile (OR) service is on a primary basis (see RR 425).

138 - 143.6 MHz	138 - 143.6 MHz	138 - 143.6 MHz
AERONAUTICAL MOBILE (OR)	FIXED	FIXED
600 601 602 604	MOBILE	MOBILE
	RADIOLOCATION	Space Research
	Space Research	(space-to-Earth)
	(space-to-Earth)	599 603

143.6 - 143.65 MHz	143.6 - 143.65 MHz	143.6 - 143.65 MHz
AERONAUTICAL MOBILE (OR)	FIXED	FIXED
SPACE RESEARCH	MOBILE	MOBILE
(space-to-Earth)	SPACE RESEARCH	SPACE RESEARCH
601 602 604	(space-to-Earth)	(space-to-Earth)
	RADIOLOCATION	599 603

143.65 - 144 MHz	143.65 - 144 MHz	143.65 - 144 MHz
AERONAUTICAL MOBILE (OR)	FIXED	FIXED
600 601 602 604	MOBILE	MOBILE
	RADIOLOCATION	Space Research
	Space Research	(space-to-Earth)
	(space-to-Earth)	599 603

144 - 146 MHz	AMATEUR 510
	AMATEUR-SATELLITE
	605 606

146 - 149.9 MHz	146 - 148 MHz	146 - 148 MHz
FIXED	AMATEUR	AMATEUR
MOBILE except	607	FIXED
aeronautical mobile (R)		MOBILE
608		607

148 - 149.9 MHz

FIXED
MOBILE
608

149.9 - 150.05 MHz	RADIONAVIGATION-SATELLITE
	609

- RR 599 Additional allocation: in AUS, the band 137 - 144 MHz is also allocated to the broadcasting service on a primary basis until that service can be accommodated within regional broadcasting allocations.
- RR 600 Additional allocation: in D, AUT, BEL, F, ISR, I, LIE, LUX, G, S, SUI and TCH, the bands 138 - 143.6 MHz and 143.65 - 144 MHz are also allocated to the space research service (space-to-Earth) on a secondary basis.
- RR 601 Additional allocation: in D, ARS, AUT, BHR, BEL, DNK, UAE, E, FNL, GRC, IRL, ISR, KEN, KWT, LIE, LUX, MLI, MLT, NOR, HOL, QAT, G, SOM, S, SUI, TZA, TUN, TUR and YUG, the band 138 - 144 MHz is also allocated to the maritime mobile and land mobile services on a primary basis.
- RR 602 Alternative allocation: in AGL, BOT, BDI, CME, CAF, COG, GAB, GMB, GHA, GUI, IRQ, JOR, LSO, LBR, LBY, MWI, MOZ, NMB, NIG, OMA, RRW, SRL, AFS, SWZ, TCD, TGO, ZAI, ZMB and ZWE, the band 138 - 144 MHz is allocated to the fixed and mobile services on a primary basis.
- RR 603 Additional allocation: in CHN, the band 138 - 144 MHz is also allocated to the radiolocation service on a primary basis.
- RR 604 Additional allocation: in ETH, FNL, KEN, MLT, SOM, SDN, TZA, YEM and YUG, the band 138 - 144 MHz is also allocated to the fixed service on a primary basis.
- RR 605 Additional allocation: in SNG, the band 144 - 145 MHz is also allocated to the fixed and mobile services on a primary basis. Such use is limited to systems in operation on or before 01 January 1980, which in any case shall cease by 31 December 1995.
- RR 606 Additional allocation: in CHN, the band 144 - 146 MHz is also allocated to the aeronautical mobile (OR) service on a secondary basis.
- RR 607 Alternative allocation: in AFG, BGD, CUB, GUY and IND, the band 146 - 148 MHz is allocated to the fixed and mobile services on a primary basis.
- RR 608 Subject to agreement obtained under the procedure set forth in Article 14, the band 148 - 149.9 MHz may be used by the space operation service (Earth-to-space). The bandwidth of an individual transmission shall not exceed plus minus 25 kHz.
- RR 609 Emissions of the radionavigation-satellite service in the bands 149.9 - 150.05 MHz and 399.9 - 400.05 MHz may also be used by receiving earth stations of the space research service.

III. Frequency list of utility stations

Listed are

- frequency in kHz. In the case of RTTY stations, the frequency measured is always f0 for the F1B, R7B and B9W modulation types included in this list, and the exact single channel f0 frequency in the case of J9W - see chapter IV in our RADIOTELETYPE CODE MANUAL;
- call sign (apostrophe indicates routing indicator, or call sign not in compliance with official ITU allocations);
- name of the station, and ITU country/geographical symbol;
- type(s) of modulation used, and - if applicable - the corresponding return frequency. In the case of FAX and RTTY stations, this column includes details of the traffic monitored, i. e. the type of information at the time heard (see below). All times are UTC.

Not listed are

- amateur stations;
- broadcasting stations;
- military stations using tactical call signs, or operating only during the term of an exercise, as well as "number" stations and similar nonsense;
- mobile stations, i.e. aircraft, ships, etc.

As the primary interest nowadays is for radioteletype stations, they are emphasized by **bold type**. - FAX stations are accentuated by a special enlarged type.

The standard RTTY transmission speed, modulation and code is 50 Baud F1BBN ITA2. Non-standard speeds like 45, 75 or 100 Baud, non-standard modulation types like VFT, and non-standard systems like ARQ, ARQ-E, ARQ-S, FEC-A, FEC-S and SITOR, are indicated at the beginning of column 4. In the case of ARQ stations, "A", "B", "C" and "D" indicate the respective data channel. The three-letter group in brackets in column 4 is the channel indicator.

In this connection, it should be noted that - at the moment - there is considerable confusion not only among radio monitors but also among equipment manufacturers about the correct application of the terms AMTOR, ARQ, FDM, FEC, SITOR, TDM, TOR, VFT, etc. The reason is the ignorance of the situation in commercial telecommunication. For detailed explanations please refer to our RADIOTELETYPE CODE MANUAL.

As a matter of fact, the duplex ARQ system according to CCIR Recommendation 342-3 has been developed already in 1951. The current version has been defined at Delhi in 1970 and is compatible with the former CCIR 242-1 system defined at Los Angeles in 1959. Logically, stations using this senior ARQ system are named ARQ stations (and not, for instance, "TDM" which is a technique also used in FEC and SITOR systems).

The SITOR system according to CCIR Recommendation 476-4 has been developed 20 years later originally for the Maritime Mobile Service. Beyond that, it is nowadays used by many stations in the Fixed Service and in the Amateur Service (which, oddly enough, calls it "AMTOR"), because the system is not as sophisticated as the bit-interleaved CCIR 342-3 ARQ, does not request a full duplex circuit like that one, and thus utilizes much cheaper equipment. Consequently, stations using this system are named SITOR-A stations when they use Mode A (ARQ) (and not "ARQ", let alone "TOR") and SITOR-B stations when using Mode B (FEC) (and not "FEC", as there are many FEC systems in professional use which are now accessible through low-cost VDCs).

Furthermore, VFT (and not "FDM") is the correct designation for a special multi-channel teleprinter modulation type, independent of the telegraph system used for the individual channels (which might be standard RTTY as defined above, or any FDM or TDM technique). As an example, take the D6B 80 emission around the assigned frequency of 17492.00 kHz. This complex system consists of an USB voice channel on 17487.35 kHz, three VFT teleprinter channels with 96 Baud ARQ and 100 Hz shift each on 17492.00, 17492.50 and 17493.00 kHz, a LSB voice channel on 17496.75 kHz, and a further LSB voice channel on 17500.00 kHz. Another example is the GYD emission around the assigned frequency of 12115.00 kHz, consisting of a LSB voice channel on 12115.00 kHz and a complex VFT aggregate combining several VFT teleprinter channels with different techniques: 192 Baud ARQ with 340 Hz shift each on 12115.68 and 12117.36 kHz, 75 Baud encrypted technique with 170 Hz shift each on 12116.16,

FREQUENCY LIST 2

12116.64 and 12116.88 kHz, and 96 Baud ARQ with 170 Hz shift each on 12117.60 and 12117.84 kHz.

For FAX stations, the scanning line frequency (drum speed) and the scanning line density (longitudinal speed, index of cooperation) are given, e. g. FAX 120/576 means 120 rotations per minute and IOC 576. In this connection, "LSB" indicates a station transmitting negative pictures where black and white are interchanged, which must be received on LSB instead of the standard USB in order to achieve correct pictures. "ISD" indicates a station with inverted scanning direction, i.e. commencing in the right-hand top corner of the picture instead of the standard left-hand top corner, which results in a mirror image. "2-panel" indicates a station transmitting two pictures, each covering one half of the picture area, at the same time. - The Dollar character \$ in column 4 indicates that the corresponding schedule is listed in chapter XI.

In the case of air stations, the three-letter group in brackets in column 4 is the AFTN Circuit Identification (see chapter IX paragraph 3 in our AIR AND METEO CODE MANUAL.)

In the AMS frequency bands, the allotment areas are listed in MWARA/RDARA/VOL-MET area order. Example: "10057.0 AMS = CEP, 3A, VAFI" means "the Aeronautical Mobile Service frequency 10057.0 kHz is allocated to MWARA CEP, to RDARA 3A and to VOLMET area AFI." The meaning of these mnemonics is explained in the abbreviations list (chapter XXV), and the geographical coverage of these areas is shown on the attached maps.

In the MMS frequency bands, scheduled RTTY coast station frequencies which are most probably in operation but have not been monitored during the last 12 months are also listed. They are printed in italics, and the word "scheduled" stands in column 4 instead of traffic details. These entries are not filed in the call sign list (chapter VI). - Ship stations' CW working frequencies are not included because these series are grouped by countries in a rather complex procedure which is too comprehensive to be listed in all details.

If the location of a station had to be abbreviated in order to meet the format requirements, its full name may be looked up in the call sign list (chapter VI).

The frequency band information derives from the Table of Frequency Allocations decided at the World Administrative Radio Conference 1979. It considers the new bands made available to the amateur, broadcasting, and maritime services. In the current transfer phase, however, the following bands are still used by the fixed service, too (see RRs 531/532/537/543/544 in chapter II): 9775 - 9900 kHz; 11650 - 11700 kHz; 11975 - 12050 kHz; 12230 - 12330 kHz; 13600 - 13800 kHz; 15450 - 15600 kHz; 16360 - 16460 kHz; 17360 - 17410 kHz; 17550 - 17700 kHz; 18068 - 18168 kHz; 21750 - 21850 kHz; 24890 - 24990 kHz; 25110 - 25210 kHz; and 26100 - 26175 kHz.

Example 1: "14564.0 5BC 68 CTA Nicosia, CYP SSB QSX 16442.0 kHz" means "Frequency 14564.0 kHz, call sign 5BC 68, station name Cyprus Telecommunications Authority Nicosia, country Cyprus, type of modulation single sideband, corresponding return frequency 16442.0 kHz"

Example 2: "5117.0 3MA 29 CNA Taipei, TAI FAX 60/288 LSB ISD: 0201-1126 C nx (text)" means "Frequency 5117.0 kHz, call sign 3MA 29, station name Central News Agency Inc. Taipei, country Taiwan, FAX station, scanning line frequency 60 rotations per minute, scanning line density (index of cooperation) 288, the station transmits negative pictures where black and white are interchanged, inverted scanning direction, time 0201 - 1126 UTC, traffic monitored Chinese news (text)"

Example 3: "19144.0 'RFTJ' FF Dakar, SEN ARQ 96 Bd: A: 1245 "controle de voie" (TJA)" means "Frequency 19144.0 kHz, NATO routing indicator RFTJ, station name French Forces Dakar, country Senegal, RTTY station, duplex ARQ system (synchronous transmission and automatic repetition) according to CCIR 342-3, speed 96 Baud, data channel A, time 1245 UTC, traffic monitored "controle de voie", channel indicator TJA"

below 9.0 not allocated

9.0 - 14.0 RADIONAVIGATION

14.0 - 19.95 FIXED + MARITIME MOBILE

16.0 6BR Rugby TS, G CW

19.95 - 20.05 STANDARD FREQUENCY AND TIME SIGNAL

20.05 - 70.0 FIXED + MARITIME MOBILE

23.4	DHD 38	GN West Rhaderfehn, D	1752-1808 msg (navigational warnings) + msg (5lgs) + encrypted tfc fm 'YQPZ' to 'AMVU' and NAWS + 'G23DB'
			CW
50.0	OMA	Prague TS, TCH	CW
53.6	RTO	Moscow Meteo, RU, URS	FAX \$
55.3	DCF 55	VWD Frankfurt, D	75 Bd: 0600-1600 G nx
60.0	MSF	Rugby TS, G	CW
	WWVB	Fort Collins TS, CO, USA	CW
62.6	FUB	FN Paris, F	0753 clg FAAA

70.0 - 72.0

Region 1 = RADIONAVIGATION
Region 2 = FIXED + MARITIME MOBILE
+ MARITIME RADIONAVIGATION + Radiolocation
Region 3 = RADIONAVIGATION + Fixed + Maritime Mobile

72.0 - 84.0

Region 1 = FIXED + MARITIME MOBILE + RADIONAVIGATION
Region 2 = FIXED + MARITIME MOBILE
+ MARITIME RADIONAVIGATION + Radiolocation
Region 3 = FIXED + MARITIME MOBILE + RADIONAVIGATION

75.0	HBG	Nyon TS, SUI	CW
77.5	DCF 77	Mainflingen TS, D	CW
82.8	GYB	RN London, G	CW

84.0 - 86.0

Region 1 = RADIONAVIGATION
Region 2 = FIXED + MARITIME MOBILE
+ MARITIME RADIONAVIGATION + Radiolocation
Region 3 = RADIONAVIGATION + Fixed + Maritime Mobile

86.0 - 90.0

Region 1 = FIXED + MARITIME MOBILE + RADIONAVIGATION
Region 2 = FIXED + MARITIME MOBILE
+ MARITIME RADIONAVIGATION + Radiolocation
Region 3 = FIXED + MARITIME MOBILE + RADIONAVIGATION

<u>90.0 - 110.0</u>		<u>RADIONAVIGATION + Fixed + Maritime Mobile</u>	
106.8	DLT 3	Prague Meteo, TCH	FAX \$
<u>110.0 - 112.0</u>		<u>Region 1 = FIXED + MARITIME MOBILE + RADIONAVIGATION</u> <u>Region 2 = FIXED + MARITIME MOBILE</u> <u>+ MARITIME RADIONAVIGATION + Radiolocation</u> <u>Region 3 = FIXED + MARITIME MOBILE + RADIONAVIGATION</u>	
110.6	DCF 30	DPA Hamburg, D	modified ITA5: 300 Bd: 0700-1500 G nx
111.3	SOA 211	Warsaw Meteo, POL	0027 wx, 0307 ry, 0618+1304+1317+1827 wx
111.8	DLT 21	Prague Meteo, TCH	FAX \$
<u>112.0 - 115.0</u>		<u>Region 1 = RADIONAVIGATION</u> <u>Region 2 = FIXED + MARITIME MOBILE</u> <u>+ MARITIME RADIONAVIGATION + Radiolocation</u> <u>Region 3 = RADIONAVIGATION + Fixed + Maritime Mobile</u>	
<u>115.0 - 117.6</u>		<u>Region 1 = RADIONAVIGATION + Fixed + Maritime Mobile</u> <u>Region 2 = FIXED + MARITIME MOBILE</u> <u>+ MARITIME RADIONAVIGATION + Radiolocation</u> <u>Region 3 = RADIONAVIGATION + Fixed + Maritime Mobile</u>	
117.4	DCF 37	Offenbach Meteo, D	FAX \$
<u>117.6 - 126.0</u>		<u>Region 1 = FIXED + MARITIME MOBILE + RADIONAVIGATION</u> <u>Region 2 = FIXED + MARITIME MOBILE</u> <u>+ MARITIME RADIONAVIGATION + Radiolocation</u> <u>Region 3 = FIXED + MARITIME MOBILE + RADIONAVIGATION</u>	
119.2	IDQ	IN Rome, I	CW
119.7	SXA	GN Piraeus, GRC	CW
122.3	QUA 3	DM Stevns, DNK	CW
122.5	CFH	CF Halifax, NS, CAN	75 Bd: 24 h wx FAX \$
123.7	DCF 42	PIAB Bonn, D	FEC-A 96 Bd: 0700+1345 G nx
124.0	CKN	CF Vancouver, BC, CAN	CW
125.2	SLZ	SAF Kristinehamn, S	FAX 120/576: 2130 AUXX ESWI 1800 500 hPa; 2303 FBXX + FUXX 500 hPa Northern Europe CW
<u>126.0 - 129.0</u>		<u>Region 1 = RADIONAVIGATION</u> <u>Region 2 = FIXED + MARITIME MOBILE</u> <u>+ MARITIME RADIONAVIGATION + Radiolocation</u> <u>Region 3 = RADIONAVIGATION + Fixed + Maritime Mobile</u>	
<u>129.0 - 130.0</u>		<u>Region 1 = FIXED + MARITIME MOBILE + RADIONAVIGATION</u> <u>Region 2 = FIXED + MARITIME MOBILE</u> <u>+ MARITIME RADIONAVIGATION + Radiolocation</u> <u>Region 3 = FIXED + MARITIME MOBILE + RADIONAVIGATION</u>	

129.1	DCF 45	VWD Frankfurt, D	modified ITA5: 300 Bd: 0600- 1600 G nx
129.5	SOA 212	Warsaw Meteo, POL	24 h wx

130.0 - 148.5

Region 1 = MARITIME MOBILE + /FIXED/
Region 2 = FIXED + MARITIME MOBILE
Region 3 = FIXED + MARITIME MOBILE + RADIONAVIGATION

134.2	DCF 54	Offenbach Meteo, D	FAX \$
139.0	DCF 39	DPA Frankfurt, D	FAX 120/288 ISD: 0300+0400+ 0500+0900+1100-2300 AFP/AP/ DPA/EPA/INDEX-FUNK/UPI pix ITA5: 200 Bd: 0900+1000+1100+ 1200+1300+1400+1500+1600+1700+ 2000 G nx
140.3	DCF 60	EPD/SID Frankfurt, D	100 Bd: 0617-2129 ry or tfc CW
146.0	Y7A 20	MFA Berlin, DDR	
147.3	DDH 47	Hamburg Meteo, D	

1605.0 - 1625.0

Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/
Region 2 = BROADCASTING
Region 3 = FIXED + MOBILE + RADIOLOCATION
+ RADIONAVIGATION

1610.0	83K	Hiran Point Pilot R, BGD	SSB	
1617.0	83K	Hiran Point Pilot R, BGD	SSB	
1618.0	EJM	Malin Head R, IRL	CW	Q8X 1623.0 kHz

1625.0 - 1635.0

Region 1 = RADIOLOCATION
Region 2 = BROADCASTING + /FIXED/ + /MOBILE/
+ Radiolocation
Region 3 = FIXED + MOBILE + RADIOLOCATION
+ RADIONAVIGATION

1630.0		Kaolack R, SEN	SSB	Q8X 2182.0 kHz
		Ziguinchor R, SEN	SSB	Q8X 2182.0 kHz

1635.0 - 1705.0

Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/
Region 2 = BROADCASTING + /FIXED/ + /MOBILE/
+ Radiolocation
Region 3 = FIXED + MOBILE + RADIOLOCATION
+ RADIONAVIGATION

1637.0	3VM 1	Bizerte Port R, TUN	SSB	Q8X 2182.0 kHz
1640.0	TFM	Neskaupstadur R, ISL	SSB	Q8X 2002.0 kHz
1643.0	IQA	Augusta R, I	SSB	
	LGB	Rogaland R, NOR	SITOR-A: 0127 tts	
1646.0	LGF 2	Rogaland R, NOR	SITOR-A: 0644-0848+1522-0028 tts; Q8X 3147.0 kHz	
			CW	
1649.5	OSA	Antwerpen R, BEL	SSB	
1650.0	LZL	Bourgas R, BUL	SSB	Q8X 2182.0 kHz
	SAH	Härnösand R, S	SSB	Q8X 2216.0 kHz
	TFA	Reykjavik R, ISL	SSB	
	VNA 1	Ramnagar Port R, IND	CW	
	VNA 2	Hugli Port R, IND	CW	
	VNA 509	Haldia Port R, IND	CW	
	SVA	Lome R, TGO	SSB	Q8X 2182.0 kHz

1650.0		SAPB Dran R, ALG	SSB	
		SAPB Skikda R, ALG	SSB	
1651.5		Moscow Mereo, RU, URS	0225 ry, wx	
1662.5	OSA	Antwerpen R, BEL	SSB	
1663.5	CUB	St. Pt. Port R, Guernsey, G	SSB	QX 2182.0 kHz
	CUB	Funchal R, MDR	SSB	QX 2182.0 kHz
1667.0	ICB	Ponta Delgada R, AZR	SSB	QX 2182.0 kHz
1672.0	BKR	Genova R, I	SSB	
		Wick R, G	SSB	
		SITOR-A: 1522+1536+2026-0645		
		ttm; QX 2496.8 kHz		
		CW		
1672.4	JVS	Sfax R, TUN	SSB	QX 2182.0 kHz
1673.0	FFU	Brest - Le Conquet R, F	SSB	
	TFT	Hornafjoerdur R, ISL	SSB	QX 2023.0 kHz
1675.0	IQH	Napoli R, I	SSB	
1677.0	YSM	Rügen R, DDR	SSB	QX 2550.0 kHz
1678.0	EAC	Tarifa R, E	SSB	QX 2049.0/2083.0 kHz
1680.0	ICZ	Venezia R, I	SSB	QX 2023.0 kHz
	SUK	Quseir R, EGY	SSB	QX 2182.0 kHz
	SVN	Athens R, GRC	SSB	QX 2182.0 kHz
	YSM	Rügen R, DDR	SSB	QX 2550.0 kHz
1687.0	FFO	Saint Nazaire R, F	SSB	QX 2182.0 kHz
	OXZ	Lyngby R, DNK	SSB	QX 2069.0 kHz
1687.4	3VB	Bizerte R, TUN	SSB	QX 2182.0 kHz
1690.0	EAV	Cabo de la Nao R, E	SSB	QX 2013.0/2049.0 kHz
1691.5		Cillero R, E	SSB	QX 2182.0 kHz
1694.0	FFB	Boulogne-sur-Mer R, F	SSB	
	LBA	Alesund R, NOR	SSB	QX 2541.0 kHz
	LBP	Bodoe R, NOR	SSB	QX 2541.0 kHz
	LBS	Svalbard R, Spitsbgn., NOR	SSB	QX 2541.0 kHz
1696.0	SVK	Kerkyra R, GRC	SSB	QX 2182.0 kHz
1696.4	3VM	Mahdia R, TUN	SSB	QX 2182.0 kHz
1698.0	EAF	Finisterre R, E	SSB	
1700.0	ZSL 20	Lüderitz R, NMB	SSB	
	ZSV 24	Walvis Bay R, NMB	SSB	
	ZB. ..	many R stations, AFS	SSB	
		Chipiona R, E	SSB	
1701.0	DXP	Skagen R, DNK	SSB	QX 1988.0 kHz
1704.0		Machichaco R, E	SSB	

1705.0 - 1800.0

Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/

Region 2 = AERONAUTICAL RADIONAVIGATION

+ FIXED + MOBILE + RADIOLOCATION

Region 3 = FIXED + MOBILE + RADIOLOCATION

+ RADIONAVIGATION

1705.0	IPP	Palermo R, I	SSB	QX 2023.0 kHz
	OSA	Antwerpen R, BEL	SSB	
1706.0	BKR	Wick R, G	SSB	
	GLD	Land's End R, G	SSB	
1707.0	S3K	Hiran Point Pilot R, BGD	SSB	
		Sada R, E	SSB	QX 2182.0 kHz
1708.0	DHG	Helsinki R, FIN	SSB	QX 2002.0 kHz
	OSA	Antwerpen R, BEL	SSB	
	OXJ	Torshavn R, Faroe Is., DNK	SSB	QX 2097.0 kHz
	4XT 2	Genosar R, ISR	SSB	
	4XT 3	Tiberias R, ISR	SSB	
	4XT 4	En-Gev R, ISR	SSB	
		Oostende Pilot R, BEL	SSB	
		Vlissingen Pilot R, BEL	SSB	
		Zeebrugge Pilot R, BEL	SSB	

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1710.0	ZBA 21	Cape Agulhas R, AFS	SSB	
	ZSE 21	East London R, AFS	SSB	
	ZSL 21	Lüderitz R, NMB	SSB	
	ZSM 21	Cape Columbine R, AFS	SSB	
1713.0	QXB	Blaavand R, DNK	SSB	QX 2059.0 kHz
1715.0	TFV	Vestmannaeyjar R, ISL	SSB	
		Crotone R, I	SSB	
1716.0	Y5M	Rügen R, DDR	SSB	QX 2550.0 kHz
1719.0	Y5M	Rügen R, DDR	SSB	QX 2550.0 kHz
1720.0	EAT	Tenerife R, CNR	SSB	QX 2049.0/2083.0 kHz
1722.0	FFD	Saint Nazaire R, F	SSB	
	IDC	Cagliari R, I	SSB	QX 2023.0 kHz
	LGA	Alesund R, NOR	SSB	QX 2442.0 kHz
	LGI	Hammerfest R, NOR	SSB	QX 2442.0 kHz
	LMJ	Jan Mayen R, NOR	SSB	QX 2442.0 kHz
1726.0	HZH	Jeddah R, ARS	SSB	QX 1965.6 kHz
		Saint Helier R, Jersey, G	SSB	QX 2381.0 kHz
1729.0	LGG	Rogaland R, NOR	SSB	QX 2449.0 kHz
	LGV	Vardoe R, NOR	SSB	QX 2449.0 kHz
1730.0		Arrecife R, E	SSB	QX 2013.0 kHz
		Barcelona R, E	SSB	
1734.2	UGK 5	Kaliningrad R, RU, URS	SSB	QX 2182.0 kHz
1735.0	7TD	Oran R, ALG	SSB	QX 2182.0 kHz
1736.0	LGH	Harstad R, NOR	SSB	QX 2456.0 kHz
	LGS	Svalbard R, Spitsbgn., NOR	SSB	QX 2456.0 kHz
	LGT	Tjøme R, NOR	SSB	QX 2456.0 kHz
1737.0	ICP	Trapani R, I	SSB	QX 2023.0 kHz
1740.0	EAB	Bagur R, E	SSB	QX 2049.0/2122.0 kHz
1742.0	SVH	Iraklion R, GRC	SSB	QX 2182.0 kHz
1743.0	CND 3	Safi R, MRC	SSB	QX 2182.0 kHz
	LFO	Derlandet R, NOR	SSB	QX 2463.0 kHz
	LGI	Hammerfest R, NOR	SSB	QX 2463.0 kHz
	LGN	Bergen R, NOR	SSB	QX 2463.0 kHz
	3VW/.	many Port R stations, TUN	SSB	QX 2182.0 kHz
		Le Havre Signal R, F	SSB	
1745.0	6MA	Mosulpo F R, KOR	CW	QX 2091.0 kHz
1747.0	DHN 37	Grengel Meteo, D		0208-0808+1523-2028 wx
1748.0		La Coruna R, E	SSB	QX 2049.0/2122.0 kHz
1750.0	EAL	Las Palmas R, CNR	SSB	QX 2049.0/2122.0 kHz
	LGH	Harstad R, NOR	SSB	QX 2470.0 kHz
	LGI	Farsund R, NOR	SSB	QX 2470.0 kHz
	LZW	Varna R, BUL	SSB	QX 2182.0 kHz
	ZSA 21	Cape Agulhas R, AFS	SSB	QX 2002.0 kHz
	ZSE 21	East London R, AFS	SSB	QX 2002.0 kHz
	ZSL 22	Lüderitz R, NMB	SSB	
	ZSM 21	Cape Columbine R, AFS	SSB	QX 2002.0 kHz
1750.5	STP	Port Sudan R, SDN	SSB	QX 2182.0 kHz
1754.0		COPE Bermeo R, E	SSB	QX 2182.0 kHz
1755.0	FJA	Papeete R, Tahiti, OCE	SSB	QX 2182.0 kHz
1757.0	LGD	Derlandet R, NOR	SSB	QX 2576.0 kHz
	LGL	Florø R, NOR	SSB	QX 2576.0 kHz
	LJB	Bjoernoeysa R, Bear I, NOR	SSB	QX 2576.0 kHz
	SPD	Szczecin R, POL	SSB	QX 2090.0 kHz
		Potsdam Meteo, DDR	100 Bd:	0049+0505 wx
1757.5	EAS	Cabo Penas R, E	SSB	QX 2013.0/2049.0 kHz
1760.0	TAN 6	Samsun R, TUR	SSB	QX 2182.0 kHz
	VUK 5	Bedi Port R, IND	SSB	QX 2182.0 kHz
1764.0	PCG	Scheveningen R, HOL	SSB	QX 2030.0 kHz
1765.0	ZSL 23	Lüderitz R, NMB	SSB	
	ZSV 4	Walvis Bay R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	QX 2009.0 kHz
1768.4	3VT	Tunis R, TUN	SSB	QX 2182.0 kHz

1771.0	FFB	Boulogne-sur-Mer R, F	SSB	QX 2182.0 kHz
	IPB	Bari R, I	SSB	
	SDJ	Stockholm R, S	SSB	QX 2477.0 kHz
	3VM	Mahdia R, TUN	SSB	QX 2182.0 kHz
1778.0	QXJ	Torshavn R, Faroe Is., DNK	SSB	QX 2069.0 kHz
	SDJ	Stockholm R, S	SSB	QX 1974.0 kHz
1780.0	HZG	Dammam R, ARS	SSB	QX 1956.6 kHz
1785.0	SAG	Goeteborg R, S	SSB	QX 2037.0 kHz
1792.0	7TA	El Djaza'ir R, ALG	SSB	QX 2182.0 kHz
		St. Pt. Port R, Guernsey, G	SSB	QX 2381.0 kHz
1794.8	COP	Yright Klingenfuss, FRG	SSB	
1796.0	DAN	Norddeich R, D	SSB	QX 2488.0 kHz
1799.0	DAN	Norddeich R, D	SSB	QX 2491.0 kHz

1800.0 - 1810.0

Region 1 = RADIOLOCATION

Region 2 = AMATEUR

Region 3 = AMATEUR + FIXED + MOBILE except aeronautical
mobile + RADIONAVIGATION + Radiolocation

1800.0		Cedeira R, E	SSB	QX 2182.0 kHz
		COPE Ayamonte R, E	SSB	QX 2182.0 kHz
1803.0	LGI	Hammerfest R, NOR	SSB	QX 2406.0 kHz
1806.0	FFU	Brest - Le Conquet R, F	SSB	QX 2182.0 kHz
	IZN	Porto Torres R, I	SSB	QX 2023.0 kHz

1810.0 - 1850.0

Region 1 = AMATEUR

Regions 2 + 3 = AMATEUR + FIXED

+ MOBILE except aeronautical mobile
+ RADIONAVIGATION + Radiolocation

1810.0		Burela R, E	SSB	QX 2182.0 kHz
		St. P. Port R, Guernsey, G	SSB	QX 2182.0 kHz
1813.0	J2A	Jibuti R, DJI	SSB	QX 2182.0 kHz
	QXB	Blaavand R, DNK	SSB	QX 2076.0 kHz
	TYA	Cotonou R, BEN	SSB	QX 2182.0 kHz
	3XC 4	Conakry R, GUI	SSB	
	3XD 6	Kamsar R, GUI	SSB	
	6VA	Dakar R, SEN	SSB	
1817.0	OSU	Oostende R, BEL	SSB	
1818.0	SPC	Gdynia R, POL	SSB	QX 2090.0 kHz
1820.0	FFC	Arcachon R, F	SSB	QX 2182.0 kHz
	OSU	Oostende R, BEL	SSB	
	SVX	Chios R, GRC	SSB	QX 2182.0 kHz
1824.0	GNK	Norwick R, G	SSB	
	SVR	Rhodes R, GRC	SSB	QX 2182.0 kHz
1825.0	HZG	Dammam R, ARS	SSB	QX 2002.0 kHz
1827.0	EJK	Valentia R, IRL	SSB	QX 2182.0 kHz
	GKR	Wick R, G	SSB	
1830.5	DHJ 59	GN Wilhelmshaven, D	CW	
1831.0	OSN 41	BN Oostende, BEL	CW	
1834.0	GNI	Niton R, G	SSB	
	TKM	Grasse R, F	SSB	QX 2182.0 kHz
1835.0	9GA	Takoradi R, GHA	SSB	
1838.0	GCC	Cullercoats R, G	SSB	
1840.0		Santona R, E	SSB	QX 2182.0 kHz
1841.0	EJM	Malin Head R, IRL	SSB	QX 2182.0 kHz
	GLD	Land's End R, G	SSB	
1848.0	GNF	North Foreland R, G	SSB	
	ICP	Trapani R, I	SSB	QX 2023.0 kHz
1849.0	SUK	Quseir R, EGY	SSB	QX 2182.0 kHz

1850.0 - 2000.0Region 1 = FIXED + MOBILE except aeronautical mobileRegions 2 + 3 = AMATEUR + FIXED+ MOBILE except aeronautical mobile+ RADIONAVIGATION + Radiolocation

1850.0	TAM 7	Canakkale R, TUR	SSB	QSY 2182.0 kHz
	TAN 2	Izmir R, TUR	SSB	QSY 2182.0 kHz
1852.0	OFH	Mariehamn R, FNL	SSB	QSY 2009.0/2196.0 kHz
1855.0		San Benedetto del Tr. R, I	SSB	QSY 2023.0 kHz
1856.0	GHD	Gallan Head R, G	SSB	
	GND	Stonehaven R, G	SSB	
	HZH	Jeddah R, ARS	SSB	QSY 2037.0 kHz
1860.0	OVK	DM Aarhus, DNK	0408 ry	
1862.0	FFC	Arcachon R, F	SSB	QSY 2182.0 kHz
	OFU	Kotka R, FNL	SSB	QSY 1967.0 kHz
	OFW	Vaasa R, FNL	SSB	QSY 2002.0 kHz
	PCB	Scheveningen R, HOL	SSB	QSY 2160.0 kHz
	TFT	Hornafjoerdur R, ISL	SSB	QSY 2023.0 kHz
	TFX	Siglufjoerdur R, ISL	SSB	QSY 2506.0 kHz
	TFZ	Isafjoerdur R, ISL	SSB	QSY 2023.0 kHz
1866.0	GHD	Gallan Head R, G	SSB	
		Aguino R, E	SSB	QSY 2182.0 kHz
		Cabo de Gata R, E	SSB	
1869.0	6KZ	Humber R, G	SSB	
1873.0	4XD	Potash R, ISR	SSB	
1876.0	FFU	Brest - Le Conquet R, F	SSB	QSY 2182.0 kHz
	OFH	Mariehamn R, FNL	SSB	QSY 2009.0/2196.0 kHz
	TFA	Reykjavik R, ISL	SSB	QSY 2506.0 kHz
		Lampedusa R, I	SSB	QSY 2023.0 kHz
1879.0	SVN	Athens R, GRC	SSB	QSY 2182.0 kHz
1880.0	DAO	Kiel R, D	SSB	QSY 2566.0 kHz
	6M./.	many Port R stations, KOR	SSB	
1881.0	STA	Nouadhibou R, MTN	SSB	QSY 2182.0 kHz
1883.0	DAO	Kiel R, D	SSB	QSY 2569.0 kHz
	GPK	Portpatrick R, G	SSB	
	TFX	Siglufjoerdur R, ISL	SSB	QSY 2484.0 kHz
		Mazara del Vallo R, I	SSB	
1888.0	IPD	Civitavecchia R, I	SSB	QSY 2023.0 kHz
1890.0	PCB	Scheveningen R, HOL	SSB	QSY 2513.0 kHz
	TFA	Reykjavik R, ISL	SSB	
	4XD	Potash R, ISR	SSB	
1901.0	OSA	Antwerpen R, BEL	SSB	
1904.0	OSA	Antwerpen R, BEL	SSB	
	SAB	Goeteborg R, S	SSB	QSY 2221.0 kHz
		Isla Cristina R, E	SSB	QSY 2182.0 kHz
1905.0	OSU	Oostende R, BEL	SSB	
1906.0	FFM	Marseille R, F	SSB	QSY 2182.0 kHz
1907.5	DSC	Mokp'o F R, KOR	CW	QSY 2091.0 kHz
	HLV	Yosu R, KOR	CW	QSY 2091.0 kHz
1908.0	DAN	Norddeich R, D	SSB	QSY 2538.0 kHz
	OSU	Oostende R, BEL	SSB	
1911.0	CND	Agadir R, MRC	SSB	QSY 2182.0 kHz
	CNW	Tanger R, MRC	SSB	QSY 2182.0 kHz
	DAN	Norddeich R, D	SSB	QSY 2541.0 kHz
	7TB	Annaba R, ALG	SSB	QSY 2182.0 kHz
1915.0	DAO	Kiel R, D	SSB	QSY 3158.0 kHz
1918.0	DAO	Kiel R, D	SSB	QSY 3161.0 kHz
	4XT	Tel Aviv R, ISR	SSB	QSY 2182.0 kHz
1919.5	PCH 85	Scheveningen R, HOL	SITOR-A: 1638-0758 tts; QSY 1972.5 kHz	
			CW	
1920.0	DSB	Pusan F R, KOR	CW	QSY 2091.0 kHz

1920.0	HLU	Taeha-dong R, U.d.I., KOR	CW	
1925.0		Livorno R, I	SSB	QX 2182.0 kHz
1936.0	6MD	Kunsan F R, KOR	CW	QX 2091.0 kHz
1939.0	FFM	Marseille R, F	SSB	QX 2182.0 kHz
	PCB	Scheveningen R, HOL	SSB	QX 2160.0 kHz
1940.0	9BX	Tema R, GHA	SSB	
1946.0	GND	Stonehaven R, G	SSB	
1971.5		ship stations	QX 2815.5 kHz (OST)	
1972.5		ship stations	QX 1919.5 kHz (PCH 85)	
1980.0	9MP 6	Kelang R, MLA	SSB	QX 2694.0 kHz
1997.5	CBV	DGTMM Valparaiso R, CHL	SSB	

2000.0 - 2025.0

Region 1 = FIXED + MOBILE except aeronautical mobile (R)
Regions 2 + 3 = FIXED + MOBILE

2000.0	ODB 6	LN Beirut, LBN	CW	
2000.7		ship stations	QX 3615.7 kHz (GND)	
2003.5	VWB	Bombay R, IND	SSB	QX 2182.0 kHz
	VWC	Calcutta R, IND	SSB	QX 2182.0 kHz
	VWT	Tuticorin R, IND	SSB	QX 2182.0 kHz
2005.0	S3L	Chittagong Port R, BGD	SSB	
	S3P	Juldia Port R, BGD	SSB	
2009.0	HLU	Taeha-dong R, U.d.I., KOR	SSB	QX 2312.0/2385.0 kHz
2012.0	ZKJ	Penrhyn R, CKH	SSB	
	ZKO	Aitutaki R, CKH	SSB	
	ZMH ..	many Harbour R stns., NZL	SSB	QX 2182.0 kHz
2014.0		Potsdam Meteo, DDR	100 Bd: 1528 wx	
2015.0	DSB	Pusan F R, KOR	CW	QX 2091.0 kHz
2019.0		Osaka Harbour R, J	SSB	

2025.0 - 2045.0

Region 1 = FIXED + MOBILE except aeronautical mobile (R)
+ Meteorological Aids
Regions 2 + 3 = FIXED + MOBILE

2027.0	DSR 52	Geojin F R, KOR	SSB	
		Anhung F R, KOR	SSB	
2030.0	COB 7	Manzanillo F R, CUB	SSB	
2032.0	6MA	Mosulpo F R, KOR	SSB	
	6ME	Yondok F R, KOR	SSB	
	6MN	Sokcho F R, KOR	SSB	
		Cheju F R, KOR	SSB	
2036.0	WCC	Chatham R, MA, USA	CW	
2037.5	KFS	San Francisco R, CA, USA	CW	
	VWK	Kandla R, IND	SSB	QX 2182.0 kHz
	VWL	Mangalore R, IND	SSB	QX 2182.0 kHz
	VWP	Port Blair R, IND	SSB	QX 2182.0 kHz
2038.0	TXU	Saint-Pierre R, SPM	SSB	QX 2182.0 kHz
2040.0	DSQ	Inchon F R, KOR	CW	QX 2091.0 kHz
	HLH	Kangnung R, KOR	CW	QX 2091.0 kHz
	HLN	Kunsan R, KOR	CW	QX 2091.0 kHz
2040.5	CW. ..	many UN stations, URG	SSB	
2042.5	VWM	Madras R, IND	SSB	QX 2182.0 kHz
	VWZ	Ratnagiri R, IND	SSB	QX 2182.0 kHz
2044.0	HLY	Yosu R, KOR	SSB	QX 2312.0/2385.0 kHz

2045.0 - 2065.0

Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/
Regions 2 + 3 = FIXED + MOBILE

2046.0	Region 1	ship-to-shore working freq.	SSB	
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2046.0	HKB	Barranquilla R, CLM	SSB	Q5X 2182.0 kHz
	S3K	Hiran Point Pilot R, BGD	SSB	
2047.5	VWG	Goa R, IND	SSB	Q5X 2182.0 kHz
2048.0	WNU	Slidell R, LA, USA	CW	
2049.0	Region 1	ship-to-shore working freq.	SSB	
	HKC	Buenaventura R, CLM	SSB	Q5X 2182.0 kHz
	S3K	Hiran Point Pilot R, BGD	SSB	
		Zanzibar R, TZA	SSB	Q5X 2182.0 kHz
2050.0	HLC	Inchon R, KOR	CW	Q5X 2091.0 kHz
	HLK	Gangreung R, KOR	CW	Q5X 2091.0 kHz
	HLP	Pusan R, KOR	CW	Q5X 2091.0 kHz
2053.0	Region 1	intership working frequency	SSB	
	HKB	Barranquilla R, CLM	SSB	Q5X 2182.0 kHz
2054.0	VA.	many CCG stations, CAN	SSB	
2055.5	WLO	Mobile R, AL, USA	CW	
2056.0	Region 1	intership working frequency	SSB	
	P2M	Port Moresby R, PNG	SSB	Q5X 2100.0 kHz
	P2R	Rabaul R, PNG	SSB	Q5X 2100.0 kHz
	VI.	many R stations, AUS	SSB	Q5X 2760.0 kHz
2057.0	OXI	Nuuk R, GRL	SSB	
2060.0	CGA 266	Prince Rupert R, BC, CAN	SSB	Q5X 2798.0 kHz
	VPS	Victoria Island R, HKB	SSB	Q5X 2547.0 kHz
	WKM	West Haven R, CT, USA	CW	
2061.5	KFS	San Francisco R, CA, USA	CW	
2063.0	FUB	FN Paris, F		0723+0743+0753 c1g FAAA, anns "hotel alfa 0800z"
	KLB	Seattle R, WA, USA	CW	
	KLC	Galveston R, TX, USA	CW	
	WMH	Baltimore R, MD, USA	CW	

2065.0 - 2107.0

Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/
Regions 2 + 3 = MARITIME MOBILE

2065.0	EQG	Ghosbeh R, IRN	SSB	
	EQO	Nowshahr R, IRN	SSB	Q5X 2182.0 kHz
	EQP	Golmankhaneh R, IRN	SSB	
	L..	many R stations, ARG	SSB	
2072.0	VTG 3	IN Bombay, IND	CW	
2075.0	QAJ 4	PIL Ilo R, PRU	SSB	
	S3K	Hiran Point Pilot R, BGD	SSB	
2079.0	LPW 6	Bahia Blanca R, ARG	SSB	
2080.0	A3A	Nuku'alofa R, TON	SSB	Q5X 2182.0 kHz
	DZI	Bacoar R, PHL	CW	
	S3K	Hiran Point Pilot R, BGD	SSB	
2082.5	LPD 26	Puerto Deseado R, ARG	SSB	
2083.0	COB 4	Matanzas F R, CUB	SSB	
2085.0	VUJ 9	Bhavnagar Port R, IND	SSB	Q5X 2182.0 kHz
	VWN	Cochin R, IND	SSB	Q5X 2182.0 kHz
2086.0	LPL 6	General Pacheco R, ARG	SSB	
	QAF 4	PESROD Ilo R, PRU	SSB	
	PP.	many R stations, B	SSB	Q5X 2182.0 kHz
	WCM	Withamsville R, OH, USA	SSB	
	WGK	Saint Louis R, MO, USA	SSB	
2087.0	OSU	Oostende R, BEL	SSB	
2089.5	PP.	many R stations, B	SSB	Q5X 2182.0 kHz
2090.0	OSU	Oostende R, BEL	SSB	
2090.9	LPZ 33	Trelew R, ARG	SSB	
2091.0	DS.	many F R stations, KOR	CW	
	HL.	many R stations, KOR	CW	
	J../5	many R stations, J	CW	
	6MA	Mosulpo F R, KOR	CW	

2091.0	6MD	Kunsan F R, KOR	CW	Qsx 2091.0 kHz
2093.0	EQN	Khomeini R, IRN	SSB	
	LPM 5	Mar del Plata R, ARG	SSB	
2096.5	PP.	many R stations, B	SSB	Qsx 2182.0 kHz
2097.0	VWV	Vishakhapatnam R, IND	SSB	Qsx 2182.0 kHz
2098.8	UON	Baku R, AZ, URS	SSB	
2099.0	UHZ	Kherson R, UK, URS	SSB	
2099.4		ship stations	Qsx 2761.0 kHz (SAB)	
2100.0	LPC 5	Ushuaia R, ARG	SSB	Qsx 2100.0 kHz
2101.4	OCJ 2	CPV Callao R, PRU	SSB	
2103.0	VUJ 9	Bhavnagar Port R, IND	SSB	Qsx 2182.0 kHz
2103.5	LPG 5	Rio Gallegos R, ARG	SSB	
2104.0	ZLC	Waitg. R, Chatham Is., NZL	SSB	Qsx 2182.0 kHz
2104.9	OCJ 2	CPV Callao R, PRU	SSB	

2107.0 - 2160.0

Region 1 = MARITIME MOBILE + /FIXED/ + /LAND MOBILE/
Regions 2 + 3 = FIXED + MOBILE

2107.5	DSD	Yosu F R, KOR	CW	Qsx 2091.0 kHz
2110.0	COB 60	Santa Cruz F R, CUB	SSB	
2111.0	3DP	Suva R, FJI	SSB	Qsx 2162.0 kHz
2115.0	DS.	many F R stations, KOR	SSB	
	TXU	Saint-Pierre R, SPM	SSB	Qsx 2182.0 kHz
	6M.	many F R stations, KOR	SSB	
		many F R stations, KOR	SSB	
2116.0	OXI	Nuuk R, GRL	SSB	
2117.0	T3C	Takaronga R, T. Atoll, KIR	SSB	Qsx 2210.0 kHz
2120.0	YVG	La Guayra R, VEN	SSB	
2122.0	COB 21	Nueva Gerona F R, CUB	SSB	
	NPM	USN Pearl Harbour, HWA	FAX \$	
2125.0	CWT	Puerto Montevideo R, URG	SSB	
2129.0	OXF	Qaqortoq R, GRL	SSB	
2130.0	9WW 20	Kuching R, Sarawak, MLA	SSB	Qsx 2182.0 kHz
2132.0		Ponta Delgada Pilot R, AZR	SSB	
2134.0	VAZ 3	Canso Lock R, NS, CAN	SSB	
2135.0	EIL	IN Haulbowline, IRL	SSB	Qsx 2182.0 kHz
2140.0	S3D	Chittagong R, BGD	SSB	Qsx 2182.0 kHz
	S3E	Khulna R, BGD	SSB	Qsx 2182.0 kHz
2144.4		ship stations	Qsx 3607.8 kHz (GHD)	
2146.0		Castries Lighthouse R, LCA	SSB	
		Vieux Fort Lighth. R, LCA	SSB	
2150.0	J../5	many R stations, J	SSB	
2153.0	ZLW	Wellington R, NZL	SSB	Qsx 2182.0 kHz
		Port Gentil Port R, GAB	SSB	
2157.5	HLC	Inchon R, KOR	CW	Qsx 2091.0 kHz
	HLN	Kunsan R, KOR	CW	Qsx 2091.0 kHz

2160.0 - 2170.0

Region 1 = RADIOLOCATION
Regions 2 + 3 = FIXED + MOBILE

2160.0	4XT 2	Genosar R, ISR	SSB	
	4XT 3	Tiberias R, ISR	SSB	
	4XT 4	En-Gev R, ISR	SSB	
2162.0	ZBP	Adamstown R, PTC	SSB	Qsx 2182.0 kHz
	ZMH ..	many Harbour R stns., NZL	SSB	Qsx 2182.0 kHz
2166.0		TOC Pointe-a-Pierre R, TRD	SSB	
2167.0	H4H 4	Honiara R, SLM	SSB	
2168.0	YJM	Port-Vila R, VUT	SSB	Qsx 2182.0 kHz

2170.0 - 2173.5 MARITIME MOBILE

2170.5 Region 1 coast stations calling freq. SSB

2173.5 - 2190.5 MOBILE (distress and calling)

2174.5 worldwide NBDPT distr. and safety f.

2182.0 worldwide distress and calling freq. SSB

2187.5 worldwide DSC distress and safety f.

2190.5 - 2194.0 MARITIME MOBILE

2191.0 Region 1 ship stations calling freq. SSB

HLV Yosu R, KOR SSB

YU. many R stations, YUG SSB

9MB 20 Georgetown R, Pin. I., MLA SSB

9MK 5 Kuantan R, MLA SSB

9MP 5 Kelang R, MLA SSB

QSOX 2182.0 kHz

**2194.0 - 2300.0 Region 1 = FIXED + MOBILE except aeronautical mobile (R)
Regions 2 + 3 = FIXED + MOBILE**

2195.5	DHJ 51	Grangel Mateo, D	1352 wx	
2197.0	5AT	Tripoli R, LBY	SSB	QSOX 2182.0 kHz
2197.5	FJP 2	Noumea R, NCL	SSB	QSOX 2182.0 kHz
2200.0	9KK	Safat R, KWT	SSB	QSOX 2182.0 kHz
2201.0	C2N	Makwa R, NRU	SSB	
	P2M	Port Moresby R, PNG	SSB	
	P2R	Rabaul R, PNG	SSB	
	VI.	many R stations, AUS	SSB	
2206.0	COB 35	Batabano F R, CUB	SSB	
	LBA 2	NN Stavanger, NOR	CW	
	OCJ 2	CPV Callao R, PRU	CW	
	5WA	Apia R, SMO	SSB	QSOX 2182.0 kHz
2207.0	LBA 2	NN Stavanger, NOR	SSB	
	ZKN	Alofa R, NIU	SSB	QSOX 2182.0 kHz
	ZKR	Avarua R, Rarotga. I., CKH	SSB	QSOX 2182.0 kHz
	ZLD	Auckland R, NZL	SSB	QSOX 2182.0 kHz
2210.0	OYR	Aasiat R, GRL	SSB	
	3VB	Bizerte R, TUN	SSB	
2211.0		Mazara del Vallo R, I	SSB	QSOX 2023.0 kHz
2216.5		Roseau Port R, DMA	SSB	
2221.0	YUB	Split R, YUG	SSB	
	YUX	Dubrovnik R, YUG	SSB	
	3VP	Sakhira R, TUN	SSB	QSOX 2182.0 kHz
2225.0	OXI	Nuuk R, GRL	SSB	
	OXM	Ittoqqortoormiit R, GRL	SSB	QSOX 1665.0 kHz
2226.5	CW./..	many UN stations, URG	SSB	
2230.0	OAQ 4	PDH Paita R, PRU	SSB	
	YKI	SCOTC Tartus R, SYR	SSB	QSOX 2182.0 kHz
2235.0	OAD 4	MINERVA Lima R, PRU	SSB	
2237.0	VAZ 3	Canso Lock R, NS, CAN	SSB	
2250.0	OZL	Ammassalik R, GRL	SSB	
2251.0	'94 PLL'	SN Cartagena, E	75 Bds 0508 ry	
2253.0	OSU	Oostende R, BEL	SSB	
2256.0	OSU	Oostende R, BEL	SSB	
2264.0	ULL	Nikolay-na-Am. R, FE, URS	SSB	
	UQC	Korsakov R, FE, URS	SSB	
2265.0	OXF	Qaqortoq R, GRL	SSB	

2265.0	OYR	Aasiat R, GRL	SSB	
2270.0	XF.	many R stations, MEX	SSB	
2282.0	ZA.	many R stations, ALB	SSB	
2284.0	HLC	Inchon R, KOR	SSB	QSX 2312.0/2385.0 kHz
2284.5		Roseau Port R, DMA	SSB	
2291.0	IDQ	IN Rome, I	CW	
2292.0	MTD	RN Rosyth, G	CW	
		AMOCO Galeota R, TRD	SSB	
2295.0	VTP 3	IN Vishakhapatnam, IND	CW	
2296.4	DER	MOI Bonn, D	ARQ-E 72 Bd: 0600 opening msg to various LKAs	

2300.0 - 2495.0

Region 1 = BROADCASTING + FIXED
+ MOBILE except aeronautical mobile (R)
Regions 2 + 3 = BROADCASTING + FIXED + MOBILE

2301.0	FIT 35	Rennes Prefecture, F	SITOR-A: 1937 msg	
2304.0	OYR	Aasiat R, GRL	SSB	
2306.0		Libreville Port R, GAB	SSB	
2308.0	PAC 27	NATO Katwijk, HOL	2302 c/g JXZ	
2309.0	WDU 23	Kodiak R, ALS	SSB	QSX 2131.0 kHz
2312.0	WDU 26	Cordova R, ALS	SSB	QSX 2134.0 kHz
	WGB 53	Cold Bay R, ALS	SSB	QSX 2134.0 kHz
2315.0	COB 20	La Coloma F R, CUB	SSB	
	COB 22	Arroyos de Mantua F R, CUB	SSB	
2320.0	TYA	Cotonou R, BEN	SSB	QSX 2182.0 kHz
	XF.	many R stations, MEX	SSB	
	5AT	Tripoli R, LBY	SSB	QSX 2182.0 kHz
2321.0		Cotonou Port R, BEN	SSB	QSX 2182.0 kHz
		Port Gentil Port R, GAB	SSB	
2327.0		Castries Lighthouse R, LCA	SSB	
2336.0	NGR	USN Kato Soli, GRC	VFT: 0137 E nx	
2341.0	D4D	Praia R, Santiago, CPV	SSB	QSX 2182.0 kHz
2342.5	DHJ 51	Grengel Meteo, D	FAX #	
2352.5	ASK	Karachi R, PAK	SSB	QSX 2182.0 kHz
2357.0	HLM	Mokp'o R, KOR	SSB	QSX 2312.0/2385.0 kHz
2357.5	OUA 4	DM Stevns, DNK	CW	
2370.0	A7S	GULPECO Doha R, QAT	SSB	
	A7S 31	Halul Island R, QAT	SSB	
2373.0	OSU	Oostende R, BEL	SSB	
2376.0	OSU	Oostende R, BEL	SSB	
2381.0		Castries Lighthouse R, LCA	SSB	
		Vieux Fort Lighth. R, LCA	SSB	
2394.0	7TB	Annaba R, ALG	SSB	QSX 2182.0 kHz
2397.0	WDU 26	Cordova R, ALS	SSB	QSX 2237.0 kHz
	WGB 56	Ketchikan R, ALS	SSB	QSX 2237.0 kHz
2398.0		AMOCO Galeota R, TRD	SSB	
2400.0	OVC	DM Groennedal, GRL	SSB	QSX 2182.0 kHz
	OXI	Nuuk R, GRL	SSB	
	WDU 29	Sitka R, ALS	SSB	QSX 2134.0 kHz
	WGB 58	Juneau R, ALS	SSB	
	WKR	Nome R, ALS	SSB	QSX 2240.0 kHz
	ZA.	many R stations, ALB	SSB	QSX 2525.0 kHz
2405.0	6MC	Guryongpo F R, KOR	SSB	
2406.0	COB 5	Casilda F R, CUB	SSB	
	COB 41	Cienfuegos F R, CUB	SSB	
		TOC Pointe-a-Pierre R, TRD	SSB	
2410.0	TXU	Saint-Pierre R, SPM	SSB	QSX 2182.0 kHz
2416.0		Abidjan F R, CTI	SSB	
2418.0	5AT	Tripoli R, LBY	SSB	QSX 2182.0 kHz
		many Pilot R stations, FNL	SSB	

2419.0	'98 OQJ'	SN Madrid, E	75 Bd: 2359-0458 clg '95 XRA'
2422.5	LOK	AN Laurie Island, Orcadas, ANT	FAX 120/576: 0300+0315+1700+
2423.0	ZLB	Awarua R, NZL	1715 analysis
2423.5	SAB	Goeteborg R, S	SSB QSX 2182.0 kHz
2429.0	DHO 35	GAF Eggebek, D	SITOR-A: 24 h tts; QSX 3267.5 kHz
2431.0	XF.	many R stations, MEX	CW
2436.0	'RIFMCF'	IN Rome, I	SSB
2438.0	DSQ	Inchon F R, KOR	75 Bd: 2338 clg '111C', 2345 ry
	6MA	Mosulpo F R, KOR	SSB
	6MC	Guryongpo F R, KOR	SSB
2439.0	D4A	Mindelo R, S. Vicente, CPV	SSB
	D4D	Praia R, Santiago, CPV	SSB QSX 2182.0 kHz
2449.0	6MM	Masan F R, KOR	SSB
		Taeha-dong F R, U.d.I., KOR	SSB
2450.0	KQP	Galveston R, TX, USA	SSB QSX 2366.0 kHz
	UQB	Kholmsk R, FE, URS	SSB
2457.5	AQP 2	PN Karachi, PAK	CW
2458.0	VAE	CCG Tofino, BC, CAN	SSB QSX 2340.0 kHz
	VAF	CCG Alert Bay, BC, CAN	SSB QSX 2340.0 kHz
	VAK	CCG Victoria, BC, CAN	SSB QSX 2340.0 kHz
	VCD	Pyright Klingenfuss, D	SSB QSX 1987.0 kHz
2458.2		Potsdam Meteo, DDR	100 Bd: 1606+2000 wx
2460.0	HLP	Pusan R, KOR	SSB QSX 2312.0/2385.0 kHz
2461.5	'21'	MRCC Shannon, IRL	SITOR-B: 0749+2236 tfc + msg to '34'
2464.0	UFF	Sukhumi R, GE, URS	SSB
2466.0	WFA	Tampa R, FL, USA	SSB QSX 2009.0 kHz
2470.0	XF.	many R stations, MEX	SSB
2474.0	PBC 32	DN Goeree Island, HOL	75 Bd: 1605-0412 ry
2480.0		Taharoa Harbour R, NZL	SSB QSX 2182.0 kHz
2481.0	OSU	Oostende R, BEL	SSB
2484.0	OSU	Oostende R, BEL	SSB
2494.7		ship stations	QXS 2832.7 kHz (GNK)

2495.0 - 2498.0

Region 1 = BROADCASTING + FIXED

+ MOBILE except aeronautical mobile (R)

Regions 2 + 3 = STANDARD FREQUENCY AND TIME SIGNAL

2496.3	ship stations	QXS 3607.3 kHz (GNF)
2496.8	ship stations	QXS 1672.0 kHz (GKR)
2497.3	ship stations	QXS 3608.3 kHz (GCC)
2497.8	ship stations	QXS 2696.7 kHz (GLD)

2498.0 - 2501.0

STANDARD FREQUENCY AND TIME SIGNAL

2500.0	FFH	Paris TS, F	CW
	HLA	Taejon TS, KOR	COMB
	JJY	Tokyo TS, J	COMB
	OMA	Prague TS, TCH	SSB
	RCH	Tashkent TS, UZ, URS	CW
	WWV	Fort Collins TS, CO, USA	COMB
	WWVH	Kihei TS, Maui Island, HWA	COMB
	ZLF	Wellington TS, NZL	CW
	ZUD	Pretoria TS, AFS	SSB

2501.0 - 2502.0

STANDARD FREQUENCY AND TIME SIGNAL + Space Research

2502.0 - 2505.0

Region 1 = FIXED + Mobile except aeronautical mobile (R)
Regions 2 + 3 = STANDARD FREQUENCY AND TIME SIGNAL

2505.0 - 2625.0

Region 1 = FIXED + MOBILE except aeronautical mobile (R)
Regions 2 + 3 = FIXED + MOBILE

2506.0	EQI	Abbas R, IRN	SSB	
	EQK	Khoramshahr R, IRN	SSB	QX 2182.0 kHz
	FJY 4	Martin de Vivies R, AMS	SSB	QX 2620.0 kHz
	KGN	Delcambre R, LA, USA	SSB	QX 2458.0 kHz
	WAH	Saint Thomas R, VIR	SSB	QX 2009.0 kHz
		TOC Pointe-a-Pierre R, TRD	SSB	
2507.0	HLN	Kunsan R, KOR	SSB	QX 2312.0/2385.0 kHz
2507.5	EQZ	IORC Abadan R, IRN	CW/SSB	
2507.7	HPP 20	Panama R, PNR	SSB	
2511.0	SOZ 22	Port Harcourt R, NIG	SSB	QX 2182.0 kHz
2512.5	JYO	Aqaba R, JOR	SSB	
2513.0	5AB	Benghazi R, LBY	SSB	QX 2182.0 kHz
2514.0	V..	many CCG stations, CAN	SSB	QX 2118.0 kHz
	WBL	Buffalo R, NY, USA	SSB	QX 2118.0 kHz
	WLC	Rogers City R, MI, USA	SSB	QX 2118.0 kHz
2517.0	6MD	Kunsan F R, KOR	SSB	
	6MJ	Bangeojin F R, KOR	SSB	
2521.1	DSD	Yosu F R, KOR	SSB	
	DSQ	Inchon F R, KOR	SSB	
	DSV	Fupo F R, KOR	SSB	
	6MA	Mosulpo F R, KOR	SSB	
	6MN	Sokcho F R, KOR	SSB	
	6MQ	Mugho F R, KOR	SSB	
		Sanch'onp F R, KOR	SSB	
2522.0	C6N 2	Taeha-dong F R, U.d.I., KOR	SSB	QX 2126.0 kHz
2525.0	NGR	Nassau R, BAH	SSB	VFT: 0307 E nx
	UNT	USN Kato Soli, GRC	SSB	
2527.0		Taganrog R, UK, URS	SSB	
		Castries Lighthouse R, LCA	SSB	
		Vieux Ft. Lighthouse R, LCA	SSB	
2530.0	DSD	Yosu F R, KOR	SSB	
	KQP	Galveston R, TX, USA	SSB	QX 2134.0 kHz
	VCA	CCG Charlottetown, PEI, CAN	SSB	QX 2815.0 kHz
	VCO	CCG Sydney, NS, CAN	SSB	QX 2815.0 kHz
	WCT	Loiza R, PTR	SSB	QX 2134.0 kHz
	6MB	Jumunjin F R, KOR	SSB	
2535.0		ship stations	QX 2795.0 kHz (UAD)	
2537.0	DSC	Mokp'o F R, KOR	SSB	
	DSV	Fupo F R, KOR	SSB	
2538.0	CFW	Vancouver R, BC, CAN	SSB	QX 2015.0 kHz
	KCC	Corpus Christi R, TX, USA	SSB	QX 2142.0 kHz
	V..	many CCG stations, CAN	SSB	
		ship stations	QX 2727.0 kHz (DAN)	
2542.0	XF.	many R stations, MEX	SSB	
2545.0	FFP	Fort de France R, MRT	SSB	QX 2182.0 kHz
2547.0	VRT	Hamilton R, BER	SSB	
2550.0	NGR	USN Kato Soli, GRC	VFT: 0315+2117 E nx	
	PJC	Willemstad R, Curacao, ATN	SSB	QX 2182.0 kHz
	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW	
	VRT	Hamilton R, BER	SSB	
	WBL	Buffalo R, NY, USA	SSB	QX 2158.0 kHz
	WFA	Tampa R, FL, USA	SSB	QX 2158.0 kHz
	WLC	Rogers City R, MI, USA	SSB	QX 2158.0 kHz
	6MK	Chungau F R, KOR	SSB	

2550.0	6MQ	Mugho F R, KOR	SSB	
2555.0	8RB	Demerara R, GUY	SSB	
2558.0	CFW	Vancouver R, BC, CAN	SSB	QSSX 2142.0 kHz
	C6N 2	Nassau R, BAH	SSB	QSSX 2198.0 kHz
	VFA	CCG Inuvik, NWT, CAN	SSB	QSSX 2142.0 kHz
	VFC	CCG Cambridge B., NWT, CAN	SSB	QSSX 2142.0 kHz
	8RB	Demerara R, GUY	SSB	
		TOC Pointe-a-Pierre R, TRD	SSB	
2560.0	DSD	Yosu F R, KOR	CW	QSSX 2091.0 kHz
	HLV	Yosu R, KOR	CW	QSSX 2091.0 kHz
	XF.	many R stations, MEX	SSB	
2563.0	'RFFA'	MOD Paris, F	ARQ-E 96 Bd: 2256 svc msg to 'RFFE' (IAA)	
2566.0	KTJ	Coos Bay R, OR, USA	SSB	QSSX 2031.5 kHz
2572.0	WLO	Mobile R, AL, USA	SSB	QSSX 2430.0 kHz
2574.0	YUR	Rijeka R, YUG	SSB	
2575.0	C9L 2	Maputo R, MOZ	SSB	
2576.0	SUH	Alexandria R, EGY	SSB	QSSX 2182.0 kHz
2579.0	IPB	Bari R, I	SSB	QSSX 2023.0 kHz
	5RO	Mahajanga R, MDG	SSB	QSSX 2182.0 kHz
	5RT	Toliara R, MDG	SSB	QSSX 2182.0 kHz
		Manakara Sud R, MDG	SSB	QSSX 2182.0 kHz
2580.0	UJY	Kaliningrad R, RU, URS	SSB	
		Lequeitio R, E	SSB	QSSX 2182.0 kHz
2581.0	CUL	Lisbon R, POR	SSB	QSSX 2182.0 kHz
2581.6	HAR 6	Budapest R, HNG	SSB	
2582.0	C6X 2	Marsh Harbour R, BAH	SSB	QSSX 2166.0 kHz
	TXU	Saint-Pierre R, SPM	SSB	QSSX 2182.0 kHz
	V..	many CCG stations, CAN	SSB	QSSX 2206.0 kHz
	WBL	Buffalo R, NY, USA	SSB	QSSX 2206.0 kHz
	WLC	Rogers City R, MI, USA	SSB	QSSX 2206.0 kHz
	ZBM	St. George's Harb. R, BER	SSB	QSSX 2182.0 kHz
	8PO	Bridgetown R, BRB	SSB	
		Castries Lighthouse R, LCA	SSB	
		English Harbour R, ATG	SSB	QSSX 2750.0 kHz
		Vieux Fort Lighth. R, LCA	SSB	
2583.0	DSB	Pusan F R, KOR	CW	QSSX 2091.0 kHz
	DSC	Mokp'o F R, KOR	CW	QSSX 2091.0 kHz
	DSD	Yosu F R, KOR	CW	QSSX 2091.0 kHz
	HL.	many R stations, KOR	CW	QSSX 2091.0 kHz
	6MA	Mosulpo F R, KOR	CW	QSSX 2091.0 kHz
	6MD	Kunsan F R, KOR	CW	QSSX 2091.0 kHz
2585.0	UCO	Yalta R, UK, URS	SSB	
	WAH	Saint Thomas R, VIR	SSB	QSSX 2009.0 kHz
	YUR	Rijeka R, YUG	SSB	
2586.0	CNP	Casablanca R, MRC	SSB	QSSX 2182.0 kHz
	J2A	Jibuti R, DJI	SSB	QSSX 2182.0 kHz
	OYE	Roenne R, DNK	SSB	QSSX 1995.0 kHz
	TRA	Libreville R, GAB	SSB	QSSX 2182.0 kHz
	TUA	Abidjan R, CTI	SSB	QSSX 2182.0 kHz
	TYA	Cotonou R, BEN	SSB	QSSX 2182.0 kHz
	3XC 5	Conakry R, GUI	SSB	
	3XO 5	Kamsar R, GUI	SSB	
	5VA	Lome R, TGO	SSB	QSSX 2182.0 kHz
	6VA	Dakar R, SEN	SSB	QSSX 2182.0 kHz
	7TO	Oran R, ALG	SSB	QSSX 2182.0 kHz
		Arrecife R, E	SSB	QSSX 3231.0 kHz
		Kaolack R, SEN	SSB	QSSX 2182.0 kHz
		Machichaco R, E	SSB	QSSX 3283.0 kHz
2587.0	6YI	Kingston R, JMC	SSB	
2590.0	C6A 266	Prince Rupert R, BC, CAN	SSB	QSSX 2166.0 kHz
	DSQ	Inchon F R, KOR	CW	QSSX 2091.0 kHz

2590.0	EJK	Valentia R, IRL	SSB	QSOX 2182.0 kHz
	HLC	Inchon R, KOR	CW	QSOX 2091.0 kHz
	RTEU	Aleksandrov-S. R, FE, URS	CW	
	SVN	Athens R, GRC	SSB	QSOX 2182.0 kHz
	6YI	Kingston R, JMC	SSB	
2591.0		Livorno R, I	SSB	
2593.0	CND	Agadir R, MRC	SSB	QSOX 2182.0 kHz
	EJM	Malin Head R, IRL	SSB	QSOX 2182.0 kHz
	QXB	Blaavand R, DNK	SSB	QSOX 3245.0 kHz
	ZSA 26	Cape Agulhas R, AFS	SSB	QSOX 2016.0 kHz
	ZSE 26	East London R, AFS	SSB	QSOX 2016.0 kHz
	ZSL 25	Lüderitz R, NMB	SSB	
	ZSM 26	Cape Columbine R, AFS	SSB	QSOX 2016.0 kHz
	ZSV 26	Walvis Bay R, NMB	SSB	
2595.0	DSB	Pusan F R, KOR	SSB	
	S7Q	Victoria R, Mahe, SEY	SSB	
	UOY	Nar'yan Mar R, RU, URS	SSB	QSOX 2182.0 kHz
	UXN	Arkhangelsk R, RU, URS	SSB	QSOX 2182.0 kHz
	SZF	Mombasa R, KEN	SSB	QSOX 2182.0 kHz
	70A	Aden R, YMS	SSB	
2596.0		La Coruna R, E	SSB	QSOX 3290.0 kHz
2598.0	V..	many CCG stations, CAN	SSB	
2600.0	FFD	Saint Denis R, REU	SSB	QSOX 2182.0 kHz
	PCG	Scheveningen R, HOL	SSB	QSOX 1995.0 kHz
	TFX	Siglufjoerdur R, ISL	SSB	QSOX 2484.0 kHz
	XFA	Acapulco R, MEX	SSB	QSOX 2622.0 kHz
	XSV	Tianjin R, CHN	SSB	QSOX 2182.0 kHz
		Mazara del Vallo R, I	SSB	QSOX 2023.0 kHz
2601.0	A7D	Doha R, QAT	SSB	
	C9C 8	MN Maputo, MOZ	SSB	QSOX 2182.0 kHz
	C9C 9	MN Nacala, MOZ	SSB	QSOX 2182.0 kHz
	C9C 20	MN Pemba, MOZ	SSB	QSOX 2182.0 kHz
	D3E	Luanda R, AGL	SSB	QSOX 2464.0 kHz
	D4A	Mindelo R, S. Vicente, CPV	SSB	QSOX 2182.0 kHz
	ZLW	Wellington R, NZL	SSB	QSOX 2474.0 kHz
2604.0	A4M	Muscat R, OMA	SSB	
	GKR	Wick R, G	SSB	
2605.0	UFL	Vladivostok R, SE, URS	SSB	
2606.0	EAT	Tenerife R, CNR	SSB	QSOX 3283.0 kHz
2607.0	A4M	Muscat R, OMA	SSB	
	A9M	Hamala R, BHR	SSB	
	FUD	FN Toulon, F	CW	
	GPK	Portpatrick R, G	SSB	
	SVK	Kerkyra R, GRC	SSB	QSOX 2182.0 kHz
	ZSL 26	Lüderitz R, NMB	SSB	
	ZSV 6	Walvis Bay R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	QSOX 2023.0 kHz
2610.0	EAC	Tarifa R, E	SSB	QSOX 3290.0 kHz
	XSG	Shanghai R, CHN	SSB	QSOX 2182.0 kHz
2611.0	DAN	Norddeich R, D	SSB	QSOX 2020.0 kHz
2612.5	JYO	Aqaba R, JOR	SSB	
2614.0	DAN	Norddeich R, D	SSB	QSOX 2023.0/2049.0 kHz
	EJK	Valentia R, IRL	SSB	QSOX 2182.0 kHz
2614.4	KWX	NWS Lewes, DE, USA	FAX \$	
2615.0	YU.	many R stations, YUG	SSB	
2616.0	KUP 65	Majuro R, MRL	SSB	
	KUP 6.	many R stations, CAR	SSB	
2618.5	GFE 25	Bracknell Meteo, G	FAX \$	
2620.0	FJA	Papeete R, Tahiti, OCE	SSB	QSOX 2182.0 kHz
	XSQ	Guangzhou R, CHN	SSB	QSOX 2182.0 kHz
	9MK 7	Kuantan R, MLA	SSB	QSOX 2830.0 kHz
2621.0	SAC	Trelleborg R, S	SSB	QSOX 3185.0 kHz

2624.0	IQX	Trieste R, I	SSB	
	SVR	Rhodes R, GRC	SSB	QSX 2182.0 kHz

2625.0 - 2650.0
Region 1 = MARITIME MOBILE + MARITIME RADIONAVIGATION
Regions 2 + 3 = FIXED + MOBILE

2625.0	GKR	Wick R, G	SSB	
	URD	Leningrad R, RU, URS	SSB	QSX 2182.0 kHz
	9HD	Valetta R, MLT	SSB	
2627.0	XSU	Yantai R, CHN	SSB	QSX 2182.0 kHz
	Y5M	Rügen R, DDR	SSB	QSX 1960.0 kHz
2628.0	FFM	Marseille R, F	SSB	QSX 2182.0 kHz
	GNI	Niton R, G	SSB	
	IGA	Augusta R, I	SSB	QSX 2023.0 kHz
	TFV	Vestmannaeyjar R, ISL	SSB	
2629.0	HSP 3	Phuket R, THA	SSB	
	TAM 4	Iskenderun R, TUR	SSB	
2630.0	Y5M	Rügen R, DDR	SSB	QSX 1960.0 kHz
	50Z 22	Port Harcourt R, NIG	SSB	QSX 2182.0 kHz
2632.0		San Fernando R, E	SSB	QSX 2182.0 kHz
2635.0	<i>Regions 2 + 3 intership working freq.</i>		SSB	
	CND 3	Safi R, MRC	SSB	QSX 2182.0 kHz
	CNW	Tanger R, MRC	SSB	QSX 2182.0 kHz
	HPQ 21	Panama Port R, PNR	SSB	
	IQH	Napoli R, I	SSB	QSX 2023.0 kHz
	LFO	Oerlandet R, NOR	SSB	QSX 2118.0 kHz
	LGH	Harstad R, NOR	SSB	QSX 2118.0 kHz
	LGZ	Farsund R, NOR	SSB	QSX 2118.0 kHz
		Salalah Port R, OMA	SSB	QSX 2023.5 kHz
2638.0	<i>Regions 2 + 3 intership working freq.</i>		SSB	
	CW. ..	many UN stations, URG	SSB	
	DZK 3	Manila R, PHL	SSB	
	HIA	Sto. Domingo Pilot R, DOM	SSB	QSX 2182.0 kHz
	KUQ	Pago Pago R, SMA	SSB	
	LZL	Bourgass R, BUL	SSB	QSX 2182.0 kHz
	L3V	Rio de la Plata R, ARG	SSB	
	QBB 4	Ilo R, PRU	SSB	QSX 2182.0 kHz
	QBF 4	Mollendo R, PRU	SSB	QSX 2182.0 kHz
	QBZ 3	Chimbote R, PRU	SSB	QSX 2182.0 kHz
	VAZ 3	Canso Lock R, NS, CAN	SSB	
		Castries Lighthouse R, LCA	SSB	
		TOC Pointe-a-Pierre R, TRD	SSB	
		Vieux Fort Lighth. R, LCA	SSB	
		Zanzibar R, TZA	SSB	QSX 2182.0 kHz
2638.9	LGZ	Farsund R, NOR	SSB	QSX 2121.9 kHz
2639.0	SPS	Witow R, POL	SSB	QSX 2090.0 kHz
2641.0	ODR 6	Beirut R, LBN	SSB	
2642.0	ICB	Genova R, I	SSB	
	J5M	Bissau R, GNB	SSB	QSX 2046.0/2760.0 kHz
	LGP	Bodoe R, NOR	SSB	QSX 2125.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 2125.0 kHz
	LGZ	Farsund R, NOR	SSB	QSX 2125.0 kHz
2644.0	YKI	SCOTC Tartus R, SYR	SSB	QSX 2182.0 kHz
2645.0	D4A	Mindelo R, S. Vicente, CPV	CW	
	OMC	Bratislava R, TCH	CW/SSB	
	OMK	Komarno R, TCH	CW/SSB	
	OXZ	Lyngby R, DNK	CW	
2646.0	OFI	Hanko R, FIN	SSB	QSX 1967.0 kHz
2649.0	EAS	Cabo Penas R, E	SSB	QSX 3231.0 kHz
	LGH	Harstad R, NOR	SSB	QSX 2132.0 kHz
	LGL	Floroe R, NOR	SSB	QSX 2132.0 kHz

2649.0	OFI	Hanko R, FNL	SSB	QSX 1967.0 kHz
	TKM	Grasse R, F	SSB	QSX 2182.0 kHz
	4XA	Elat R, ISR	SSB	QSX 2182.0 kHz
	4XO	Haifa R, ISR	SSB	QSX 2182.0 kHz

2650.0 - 2850.0 **Region 1 = FIXED + MOBILE except aeronautical mobile (R)**
Regions 2 + 3 = FIXED + MOBILE

2650.0		Abidjan F R, CTI	SSB	QSX 2416.0 kHz
2652.0	5RN	Nosy Be R, MDG	SSB	QSX 2182.0 kHz
	5TA	Nouadhibou R, MTN	SSB	QSX 2182.0 kHz
		Mananjary R, MDG	SSB	QSX 2182.0 kHz
		Morondava R, MDG	SSB	QSX 2182.0 kHz
		Port Gentil Port R, GAB	SSB	
2653.0	XVR 4	Vung Tau R, VTN	SSB	QSX 2182.0 kHz
2654.0		Libreville Port R, GAB	SSB	
2655.0	XFF	Coatzacoalcas R, MEX	SSB	QSX 2165.0 kHz
2656.0	A9M	Hamala R, BHR	SSB	
	IPA	Ancona R, I	SSB	QSX 2023.0 kHz
	LGP	Bodoe R, NOR	SSB	QSX 2139.0 kHz
	LGG	Rogaland R, NOR	SSB	QSX 2139.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 2139.0 kHz
	4XA	Elat R, ISR	SSB	
2657.0	CT.	many PN stations	SSB	
2660.0	XF.	many PEMEX R stations, MEX	SSB	
2662.0	Y5M	Rügen R, DDR	SSB	QSX 1960.0 kHz
2663.0	CNP	Casablanca R, MRC	SSB	QSX 2182.0 kHz
	FJN	Dzaoudzi R, MYT	SSB	QSX 2182.0 kHz
	LGA	Alesund R, NOR	SSB	QSX 1632.5 kHz
	LGH	Harstad R, NOR	SSB	QSX 1632.5 kHz
	LGT	Tjøme R, NOR	SSB	QSX 1632.5 kHz
		Antalaha R, MDG	SSB	QSX 2182.0 kHz
		Crotone R, I	SSB	QSX 2023.0 kHz
2665.0	XFK	La Paz R, MEX	SSB	QSX 2160.0 kHz
	Y5M	Rügen R, DDR	SSB	QSX 1960.0 kHz
2666.0	UMV	Murmansk R, RU, URS	SSB	QSX 2182.0 kHz
2666.9	LGN	Bergen R, NOR	SSB	QSX 2086.9 kHz
2667.0	GHD	Gallan Head R, G	SSB	
2670.0	COB 36	Flota Cubana F R, CUB	SSB	
	COB 61	Ciego de Avila F R, CUB	SSB	
	LGD	Oerlandet R, NOR	SSB	QSX 2090.0 kHz
	LGN	Bergen R, NOR	SSB	QSX 2090.0 kHz
	LGV	Vardoe R, NOR	SSB	QSX 2090.0 kHz
	NMC	USCG San Franc., CA, USA	SSB	QSX 2182.0 kHz
	NMJ 2	USCG Ketchikan, ALS	SSB	QSX 2182.0 kHz
	NMO	USCG Honolulu, HWA	SSB	QSX 2182.0 kHz
	NOJ	USCG Kodiak, ALS	SSB	QSX 2182.0 kHz
	NRV	USCG Apra Harbour, GUM	SSB	QSX 2182.0 kHz
	TAN	Istanbul R, TUR	SSB	
	TAN 5	Zonguldak R, TUR	SSB	QSX 2182.0 kHz
	UNI	Ventspils R, LA, URS	SSB	QSX 2182.0 kHz
	YU.	many R stations, YUG	SSB	
	3VT	Tunis R, TUN	SSB	QSX 2182.0 kHz
	5BA	Nicosia R, CYP	SSB	
2677.0		many Cross R stations, F	SSB	
2679.0		Cabo de Gata R, E	SSB	QSX 3283.0 kHz
2680.0	S9M	Sao Tome R, STP	SSB	QSX 2182.0 kHz
	4XZ	IN Haifa, ISR	CW	
	9MB 4	Georgetown R, Pin. I., MLA	SSB	
2680.5	DHJ 59	GN Wilhelmshaven, D	CW	
2683.0	IDC	Cagliari R, I	SSB	

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2684.0	8KZ	Humber R, G	SSB	
2685.0	XFM	Manzanillo R, MEX	SSB	QSSX 2290.0 kHz
	YU.	many R stations, YUG	SSB	
2686.0	HSA 6	Bangkok R, THA	SSB	
2690.0	PK. ..	many R stations, INS	SSB	QSSX 2182.0 kHz
2691.0	DHJ 51	Grengel Mateo, D	24 h ry or wx	
			100 Bds 0712 wx	
	FFU	Brest - Le Conquet R, F	SSB	QSSX 2182.0 kHz
	8ND	Stonehaven R, G	SSB	
	7TA	El Djaza'ir R, ALG	SSB	QSSX 2182.0 kHz
2693.0	TAM 6	Antalya R, TUR	SSB	
2694.0	CLT 3	Nueva Gerona F R, CUB	SSB	QSSX 2760.0 kHz
	CUL	Lisbon R, POR	SSB	QSSX 2182.0 kHz
	9MP 7	Kelang R, MLA	SSB	
2695.0	LG.	many R stations, NOR	SSB	QSSX 1657.5 kHz
	URL	Sevastopol' R, UK, URS	SSB	
2696.0	XVG 4	Hai Phong R, VTN	SSB	QSSX 2182.0 kHz
2696.7	8LD	Land's End R, G	SITOR-A: 1224-0553 tts; QSSX 2497.8 kHz	
			CW	
2698.0	6NF	North Foreland R, G	SSB	
	ICZ	Venezia R, I	SSB	QSSX 2182.0 kHz
2700.0	TFM	Neskaupstadur R, ISL	SSB	QSSX 2002.0 kHz
	5BA	Nicosia R, CYP	SSB	QSSX 4079.0 kHz
2705.0	8KR	Wick R, G	SSB	
	TNA	Pointe-Noire R, COG	SSB	QSSX 2182.0 kHz
2707.0		Barcelona R, E	SSB	QSSX 3290.0 kHz
2710.0	IPD	Civitavecchia R, I	SSB	
	XFY	Guaymas R, MEX	SSB	QSSX 2255.0 kHz
	9LL	Freetown R, SRL	SSB	QSSX 2182.0 kHz
2712.0	5RD	Tolanaro R, MDG	SSB	QSSX 2182.0 kHz
	5RL	Antseranana R, MDG	SSB	QSSX 2182.0 kHz
		Maintirano R, MDG	SSB	QSSX 2182.0 kHz
2714.0	EAB	Bagur R, E	SSB	QSSX 3283.0 kHz
2716.0	ZSL 27	Lüderitz R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	QSSX 2049.0 kHz
2719.0	6CC	Cullercoats R, G	SSB	
	8LD	Land's End R, G	SSB	
	HSP 4	Phuket R, THA	SSB	
	9PS	Witowo R, POL	SSB	QSSX 2090.0 kHz
	3VS	Sfax R, TUN	SSB	QSSX 2182.0 kHz
	7TO	Oran R, ALG	SSB	QSSX 2182.0 kHz
2720.0	RDE 73	Kuybishev Mateo, RU, URS	FAX 60/288: 1645+2238 chart Black Sea - Caspian Sea area	
	UBC 7	Uglegorsk R, FE, URS	SSB	
	UQX 2	Poronaysk R, FE, URS	SSB	
2721.5	CWC ..	many UN stations, URG	SSB	
2722.0	ICB	Genova R, I	SSB	QSSX 2023.0 kHz
	XFB	Ciudad del Carmen R, MEX	SSB	QSSX 2255.0 kHz
2723.0	8PO	Bridgetown R, BRB	SSB	
2723.6	6MN	Sokcho F R, KOR	SSB	
		Samch'onp F R, KOR	SSB	
2724.0	KUP 65	Majuro R, MRL	SSB	
	KUP 6.	many R stations, CAR	SSB	
	TFZ	Isafjoerdur R, ISL	SSB	QSSX 2023.0 kHz
2725.0	XFE	Ensenada R, MEX	SSB	
	XFN	Progreso R, MEX	SSB	QSSX 2555.0 kHz
	XFP	Chetumal R, MEX	SSB	QSSX 2255.0 kHz
2726.0	FFU	Brest - Le Conquet R, F	SSB	QSSX 2182.0 kHz
	SPC	Gdynia R, POL	SSB	QSSX 2090.0 kHz
2727.0	DAN	Norddeich R, D	SITOR-A: 0604-2250 tts; QSSX 2538.0 kHz	

2730.0	SVL	Limos R, GRC	SSB	QSOX 2182.0 kHz
	ZAD	Durres R, ALB	SSB	QSOX 2182.0 kHz
2733.0	GNF	North Foreland R, G	SSB	
	SAH	Härnösand R, S	SSB	QSOX 2216.0 kHz
	SR8	Toamasina R, MDG	SSB	QSOX 2182.0 kHz
2735.0	DSB	Pusan F R, KOR	CW	QSOX 2091.0 kHz
	9YL	North Post R, TRD	SSB	
		AMOCO Galeota R, TRD	SSB	
2738.0	CB./..	many DGTMM R stns., CHL	SSB	
	CLO	Habana R, CUB	SSB	
	COB 8	Santiago de Cuba F R, CUB	SSB	
	CWC 39	UN Montevideo, URG	SSB	
	HI./..	many Pilot R stations, DOM	SSB	QSOX 2182.0 kHz
	HPQ 21	Panama Port R, PNR	SSB	
	OBC 3	Callao R, PRU	SSB	QSOX 2182.0 kHz
	OBF 4	Mollendo R, PRU	SSB	QSOX 2182.0 kHz
	QBY 2	Paita R, PRU	SSB	QSOX 2182.0 kHz
	6YX	JCG Kingston, JMC	SSB	QSOX 2182.0 kHz
		AMOCO Galeota R, TRD	SSB	
		Port-au-Prince R, HTI	SSB	QSOX 2182.0 kHz
2740.0	FFD	Saint Nazaire R, F	SSB	QSOX 2182.0 kHz
	HPP 20	Panama R, PNR	SSB	
	QXP	Skagen R, DNK	SSB	QSOX 3259.0 kHz
	STP	Port Sudan R, SDN	SSB	QSOX 2182.0 kHz
2742.0	CUG	Ponta Delgada R, AZR	SSB	QSOX 2182.0 kHz
2745.0	XFQ	Salina Cruz R, MEX	SSB	QSOX 2160.0 kHz
2746.0	HSA 7	Bangkok R, THA	SSB	
2747.0	FFB	Boulogne-sur-Mer R, F	SSB	QSOX 2182.0 kHz
	IER 20	IFG Rome, I		1926-2220 t/c to IER 50
	XVG 4	Hai Phong R, VTN	SSB	QSOX 2182.0 kHz
		many Pilot R stations, FNL	SSB	
2748.0	YQI	Constanta R, ROU	SSB	QSOX 2182.0 kHz
2748.5	JXZ	NATO Kolsaas, NOR		0100 foxes without ID
2749.5		Dyn Buenos Aires, ARG		75 Bd: 0000+0200+2300 S nx
2750.0	LZL	Bourgas R, BUL	SSB	QSOX 2182.0 kHz
	XSV	Tianjin R, CHN	SSB	QSOX 2182.0 kHz
	9KK	Safat R, KWT	SSB	QSOX 2182.0 kHz
2752.0	YUW	Bar R, YUG	SSB	
	ZBI	Georgetown R, ASC	SSB	
2754.0	SDJ	Stockholm R, S	SSB	QSOX 2206.0 kHz
2755.0	ZBI	Georgetown R, ASC	SSB	
	SOW	Lagos R, NIG	SSB	
	9LL	Freetown R, SRL	SSB	QSOX 2182.0 kHz
2756.0	XFS	Tampico R, MEX	SSB	QSOX 2290.0 kHz
2758.0	OSU	Oostende R, BEL	SSB	
2760.0	CL./.	many R stations, CUB	SSB	
	TAN 2	Izmir R, TUR	SSB	QSOX 2182.0 kHz
	TAN 6	Samsun R, TUR	SSB	QSOX 2182.0 kHz
	TAO 2	Trabzon R, TUR	SSB	QSOX 2182.0 kHz
	TCR	TURBAN Istanbul R, TUR	SSB	QSOX 2182.0 kHz
	9VG 5	Singapore R, SNG	SSB	QSOX 2527.0 kHz
2761.0	OSU	Oostende R, BEL	SSB	
	SAB	Goeteborg R, S		SITOR-A: 1300-0803 tts; QSOX 2099.4 kHz
	ZSL 28	Lüderitz R, NMB	SSB	
	ZS. ..	many R stations, AFS	SSB	QSOX 2056.0 kHz
2765.0	9KK	Safat R, KWT	SSB	QSOX 2182.0 kHz
2767.0	MGJ	RN Glasgow, G	CW	
2768.0	A7D	Doha R, QAT	SSB	
	SAE	Tingstäde R, S	SSB	QSOX 3289.0 kHz
	SVN	Athens R, GRC	SSB	
2768.5	CWF	Punta Carretas R, URG	SSB	QSOX 2152.5 kHz

2770.0	LZW	Varna R, BUL	SSB	QSX 2182.0 kHz
2770.5	ONY 27	NATO Rouveroy, BEL	0300 foxes	
2771.0	YU.	many R stations, YUG	SSB	
2772.0	DAO	Kiel R, D	SSB	QSX 2143.0 kHz
2775.0	DAO	Kiel R, D	SSB	QSX 2049.0/2146.0 kHz
	FFC	Arcachon R, F	SSB	QSX 2182.0 kHz
	7TA	El Djaza'ir R, ALG	SSB	QSX 2182.0 kHz
2779.0	GND	Stonehaven R, G	SSB	
2780.0	S9M	Sao Tome R, STP	SSB	QSX 2182.0 kHz
	UCY 2	Astrakhan' R, RU, URS	CW	
	9VG 52	Singapore R, SNG	SSB	QSX 2685.0 kHz
2781.0	CUL	Lisbon R, POR	SSB	QSX 2182.0 kHz
2782.0	GLD	Land's End R, G	SSB	
	WCM	Withamsville R, OH, USA	SSB	
	WFN	Jeffersonville R, IN, USA	SSB	
	WGK	Saint Louis R, MO, USA	SSB	
2783.0	ZSA 29	Cape Agulhas R, AFS	SSB	QSX 2100.0 kHz
	ZSE 29	East London R, AFS	SSB	QSX 2100.0 kHz
	ZSL 29	Lüderitz R, NMB	SSB	
	ZSM 29	Cape Columbine R, AFS	SSB	QSX 2100.0 kHz
	ZSV 7	Walvis Bay R, NMB	SSB	
2785.9		Kushiro Harbour R, J	SSB	
2787.0	COB 72	Puerto Padre F R, CUB	SSB	
	COB 90	Holguin F R, CUB	SSB	
	COB 94	Gibara F R, CUB	SSB	
2787.5	'98 OQJ'	SN Madrid, E	75 Bd: 0700 clg '95 XRA'	
2789.0	IDF	Messina R, I	SSB	QSX 2023.0 kHz
	SAA	Karlskrona R, S	SSB	QSX 3185.0 kHz
2790.0	9MG 24	Georgetown R, Pin. I., MLA	SSB	
2791.0		Port Gentil Port R, GAB	SSB	
2792.0		Palma de Mallorca R, E	SSB	QSX 2182.0 kHz
2795.0	UAH	Tallinn R, ES, URS	0205+2225 R tts wtscas; QSX	2535.0 kHz
	'94 PLL'	SN Cartagena, E	75 Bd: 0423+0505 clg '98 OQJ'	
2799.0	DAN	Norddeich R, D	SSB	QSX 2153.0 kHz
	EAV	Cabo de la Nao R, E	SSB	QSX 3231.0 kHz
	SVH	Iraklion R, GRC	SSB	QSX 2182.0 kHz
2800.0	UHK	Batumi R, GE, URS	SSB	
	3XD 7	Kamsar R, GUI	SSB	
	4XZ	IN Haifa, ISR	CW	
2802.0	XFC	Cozumel R, MEX	SSB	QSX 2160.0 kHz
2803.0	OFW	Vaasa R, FNL	SSB	QSX 2002.0 kHz
2804.8	CCS	CN Santiago, CHL	0248 msgs (5lgs), 0607 msg	
2805.0	COB 32	Flota del Golfo F R, CUB	SSB	
	UBN	Zhdanov R, UK, URS	SSB	
	XFL	Mazatlan R, MEX	SSB	QSX 2355.0 kHz
	XFU	Veracruz R, MEX	SSB	QSX 2670.0 kHz
	3XC 6	Conakry R, GUI	SSB	
2806.0	EAF	Finisterre R, E	SSB	QSX 3283.0 kHz
2808.0	'RETJ'	SN Madrid, E	2100-0344 ry or clg FUG or 'RPFN'	
2810.0	GNI	Niton R, G	SSB	
	OHG	Helsinki R, FNL	SSB	QSX 2002.0 kHz
2812.0	EBA	SN Madrid, E	75 Bd: 0050 clg FUG, 0642+1923 ry, 2212 clg FUG	
	Y5M	Rügen R, DDR	SSB	QSX 1960.0 kHz
2812.5	DSB	Pusan F R, KOR	CW	QSX 2091.0 kHz
2813.6	GYA 1	RN London, G	FAX \$	
			CW	
2814.0	OSA	Antwerpen R, BEL	SSB	
	OSU	Oostende R, BEL	SSB	
2815.0	IDR 8	IN Rome, I	CW	

2815.0	RVD 76	Moscow Meteo, RU, URS	FAX \$
	Y5M	Rügen R, DDR	SSB Q5X 1960.0 kHz
2815.5	OST	Oostende R, BEL	SITOR-A: 0524+0959+2112 tts; Q5X 1971.5 kHz
2816.0	5AB	Benghazi R, LBY	SSB Q5X 2182.0 kHz
2817.0	OSA	Antwerpen R, BEL	SSB
	OSU	Oostende R, BEL	SSB
	SUH	Alexandria R, EGY	SSB Q5X 2182.0 kHz
2818.0	PZN	Paramaribo R, SUR	SSB Q5X 2182.0 kHz
2820.0	EAL	Las Palmas R, CNR	SSB Q5X 3290.0 kHz
	TAM 5	Mersin R, TUR	SSB Q5X 2182.0 kHz
	98X	Tema R, GHA	SSB
2821.0	HSP 5	Phuket R, THA	SSB
2822.0	DHN 37	Grangel Meteo, D	0057 wx, 0300 ry
	SAF	Tripoli Air, LBY	1025+1653-0504 ry or msg (LMA)
2824.0	COB 52	Caibarien F R, CUB	SSB
	PCB	Scheveningen R, HOL	SSB Q5X 2520.0 kHz
2828.0	GCC	Cullercoats R, G	SSB
2830.0	SVK	Kerkyra R, GRC	SSB Q5X 2182.0 kHz
	UNM 2	Klaipeda R, LI, URS	2157 R tts wtscs
	9MK 8	Kuantan R, MLA	SSB Q5X 2182.0 kHz
2831.0	SPO	Szczecin R, POL	SSB
2832.7	GNK	Norwick R, G	SSB Q5X 2090.0 kHz
			SITOR-A: 24 h tts; Q5X 2494.7 kHz
			SITOR-B: 0300 tfc list
2833.0	COB 6	Camagüey F R, CUB	CW
	COB 62	Nuevitas F R, CUB	SSB
2835.0	GYA	RN London, G	SSB
2836.0	COB 4	Matanzas F R, CUB	75 Bd: 0758+0805+1736 test
	COB 42	Cadenas F R, CUB	SSB Q5X 2083.0 kHz
	HLK	Gangreung R, KOR	SSB
2839.0	COB 41	Cienfuegos F R, CUB	SSB Q5X 2312.0/2385.0 kHz
2840.0	DEB	INTERPOL Wiesbaden, D	SSB
	F8B 51	INTERPOL Paris, F	SITOR-A: 1355+1700+1832 tfc + msg
			SITOR-A: 2108 tfc + msg
			SITOR-B: 0715+0914+0939+1155+1303 msg
	GMP	INTERPOL London, G	SITOR-A: 1954+2111 tfc or msg
	HEP 28	INTERPOL Zürich, SUI	SITOR-A: 1354+1542+1722 msg + tfc
	DAH 3	VICMARSA Paita R, PRU	SSB
	DAO 3	VICMARSA Lima R, PRU	SSB
	DEQ 31	INTERPOL Vienna, AUT	SITOR-A: 1715 msg + tfc
	ONA 20	INTERPOL Brussels, BEL	SITOR-A: 2110 tfc
2841.0	EBA	SN Madrid, E	CW
2842.0		Chipiona R, E	SSB Q5X 3231.0 kHz
2843.0	CUB	Funchal R, MDR	SSB Q5X 2182.0 kHz
2844.0	FDC	FAF Metz-Frescaty, F	CW
2845.0	DAN	Norddeich R, D	SSB Q5X 3158.0 kHz
	FJA	Papeete R, Tahiti, OCE	SSB Q5X 2182.0 kHz
	KUQ	Pago Pago R, SMA	SSB
	KUQ 23	Swains Island R, SMA	SSB
	XVR 4	Vung Tau R, VTN	SSB Q5X 2182.0 kHz
2848.0	DAN	Norddeich R, D	SSB Q5X 3161.0 kHz
	'98 OQJ'	SN Madrid, E	75 Bd: 0424 tfc to '94 PLL'

2850.0 - 3025.0 AERONAUTICAL MOBILE (R)

2851.0 AMS = AFI, 2A 3B 3C 9C 11B SSB
13E 13F 14

2854.0		AMS = SAT, 3A 3B 6E 10B	SSB
2857.0		AMS = 2B 2C 6B 13J	SSB
2860.0		AMS = 1B 3A 3C 9B 10B 12E 12J 13I, VAFI	SSB
2863.0		AMS = 2A 2C 7B 13C 13J 13K, VPAC	SSB
2866.0		AMS = 2C 3C 4B 6D 10A	SSB
2869.0		AMS = CEP, 2A 2B 3A 6G 10E 13C 14G	SSB
2872.0		AMS = NAT, 3B 6A 6E 13G	SSB
2875.0		AMS = 2A 2B 3A 6G 10A 12G	SSB
2878.0		AMS = AFI, 3B 3C 11B 13I 13J 14	SSB
2879.5	LGB	Rogaland R, NOR	SITOR-A: 2040-0547 tts CW
2881.0		AMS = 1B 2A 2B 3A 6C, VSAM	SSB
2884.0		AMS = 2C 3B 6D	SSB
2887.0		AMS = CAR, 2A 2B 3A 7E 13I 14C	SSB
2890.0		AMS = 1B 6G 13J	SSB
2893.0		AMS = 2C 3 4B 10D 12F	SSB
2896.0		AMS = 2A 2B 3A 6G	SSB
2899.0		AMS = NAT, 5D 6G 13H	SSB
2902.0		AMS = 2B 2C 3B 6G 12J	SSB
2905.0		AMS = 3A 3C 5C 9B, VNAT	SSB
2908.0		AMS = 2B 2C 3B 13M	SSB
2911.0		AMS = 3A 5B 6G 10A	SSB
2914.0		AMS = 2B 2C 3B 13D	SSB
2917.0		AMS = 2A 6E 6G	SSB
2920.0		AMS = 2B 2C 6B 12C 13J	SSB
2923.0		AMS = 3A 6A	SSB
2926.0		AMS = 2A 2C 4A 6F 10C 12J	SSB
2929.0		ship stations	QSOX 3316.8 kHz (PCH 86)
2932.0		AMS = 2B 9B	SSB
2935.0		AMS = NP, 2A 2C 13K	SSB
2938.0		AMS = SAT, 3 10D	SSB
2941.0		AMS = 2, 6G	SSB
2944.0		AMS = 2A 6F	SSB
2947.0		AMS = MID SAM, 10A 10E 14G	SSB
2950.0		AMS = 6A	SSB
		AMS = 2 3C 7C 10F 12A 14A 14D, VCAR	SSB
	SAF	Tripoli Air, LBY	2145 ry
2953.0		AMS = 4A 6G	SSB
2956.0		AMS = 6C 7F 10A 12E 12F 12G 12H 13F, VMID	SSB
2959.0		AMS = 3A	SSB
2962.0		AMS = NAT, 6G	SSB
2965.0		AMS = 1E 7B 10C 12F 12J 13H, VSEA	SSB
2968.0		AMS = 3B 5B 6G	SSB
2971.0		AMS = NAT, 5D 6G 13G	SSB
2974.0		AMS = 1D 3C	SSB
2977.0		AMS = 1C 6G 13M	SSB
2980.0		AMS = 1D 3C 12C	SSB
2983.0		AMS = 1C 6G 13D	SSB
2986.0		AMS = 3C 5A 13N	SSB
2989.0		AMS = 1D 6G	SSB
2992.0		AMS = MID, 10A 10E 13C	SSB
2995.0		AMS = 6G	SSB
	YKP 22	SANA Damascus, SYR	1500+1600+1700 A nx
2998.0		AMS = CWP, 7D 12E 12F 12G 12H 13F, VEUR	SSB

3001.0		AMS = 6A 6E	SSB
3001.5	'RETJ'	SN Madrid, E	SITOR-A: 2352-0003 msg
3004.0		AMS = NCA, 11B 13K	SSB
3007.0		AMS = W II/III	SSB
3010.0		AMS = W I/IV	SSB
3013.0		AMS = W II/V	SSB
3016.0		AMS = EA NAT, 9D 13G	SSB
3019.0		AMS = NCA, 11B 13K	SSB
3023.0	worldwide	calling/distress/safety f.	CW/SSB

3025.0 - 3155.0 AERONAUTICAL MOBILE (OR)

3035.5	DHJ 51	Grengel Meteo, D	24 h ry or wx
3038.0		SN Muskö, S	0545 msg (wx) (IBZ)
3043.5	DHJ 51	Grengel Meteo, D	0004+0935+1017+1327 wx
			FAX // 2342.5 kHz \$
3049.5	DHM 72	GN FWC Glücksburg, D	FAX \$
3060.0		many USAF stations	SSB
3073.5	DHN 37	Grengel Meteo, D	24 h ry or wx
3078.0	DHJ 51	Grengel Meteo, D	100 Bd: 0034 wx, ry; 0212 ry, wx
			24 h wx
			FAX // 2342.5 kHz \$
3147.0		ship stations	Q5X 1646.0 kHz (LGF 2)
3149.0		STATOIL Bergen, NOR	SITOR-A: 0555+0809 msg
3150.0	96A	Takoradi R, GHA	SSB
	96X	Tema R, GHA	SSB

3155.0 - 3200.0 FIXED + MOBILE except aeronautical mobile (R)

3158.1	FDX	FAF Paris, F	1543 ry
3160.0	UKW 3	Korsakov R, FE, URS	CW
3162.0	ZHH	Jamestown R, SHN	SSB
3165.0	9YL	North Post R, TRD	SSB
3166.5	DHJ 51	Grengel Meteo, D	0601-1654 ry or wx
3168.0		Ziguinchor Port R, SEN	SSB Q5X 2182.0 kHz
3170.0	C9E 2	Maputo Air, MOZ	1321 msg
	DLB 5	Prague TS, TCH	CW
	RBV 76	Sverdlovsk Met., SW, URS	1545 wx
	UBD	Krasnovodsk R, TU, URS	SSB Q5X 2182.0 kHz
3170.6	ONY 27	NATO Rouveroy, BEL	75 Bd: 0119 foxes
3172.5	FUF	FN Fort de France, MRT	CW
	IMB 1	Rome Meteo, I	24 h ry or wx
3174.0	FIT 38	Grenoble Prefecture, F	SITOR-A: 1705 msg
3174.8	KLI 19	Ngenfuss Copyright, D	8774: Germany
3175.0	CSY	Santa Maria Air, AZR	2124+2210 ry, 2218 msg
	OZW	Qanaaq R, GRL	SSB
3180.0	PK. ..	many R stations, INS	SSB
3182.0	ICH	IN Maddalena Island, I	SSB
	IDR	IN Rome, I	SSB
3185.0	UDH	Riga R, LA, URS	CW
3186.0	KWS 78	USE Athens, GRC	CW
3188.0	FDG 2	FAF Mont-de-Marsan, F	CW
3188.6	GXW	RN Portland, G	CW
3190.0	UBN	Zhdanov R, UK, URS	CW
3196.0		Prague Meteo, TCH	1722-0451 wx
3197.0		Libreville Port R, GAB	SSB

3200.0 - 3230.0

BROADCASTING + FIXED

+ MOBILE except aeronautical mobile (R)

3202.0	EQM	Bushire R, IRN	SSB
	EQQ	Khark R, IRN	SSB
3207.5	GYA	RN London, G	0018 ry
3209.0	NPR	USN Dutch Harbour, Unalaska Island, ALS	75 Bd: 0314 msg
3210.0	UZT	Mezen' R, RU, URS	SSB QSX 2182.0 kHz
		Sverdlovsk Air, SW, URS	0200 R msg wtsca + tfc to Khanty-Mansiysk
3215.0	URB 2	Klaipeda R, LI, URS	CW
3218.0	JMB	Tokyo Meteo, J	CW
3220.6	SUC	Cairo Air, EGY	0340 msg, 1636+2151 ry
3222.5	FIT 75	Paris Prefecture, F	SITOR-A: 1948 msg
3224.0	DSB	Pusan F R, KOR	CW QSX 2091.0 kHz

3230.0 - 3400.0

BROADCASTING + FIXED + MOBILE except aeronautical mobile

3235.0	RSR 71	Minsk Meteo, BY, URS	0232+0253 wx
3237.0		Libreville Port R, GAB	SSB
3237.5	UAW	Makhachkala R, RU, URS	SSB
3242.5	NMF	USCG Boston, MA, USA	FAX \$
3245.0	PAC 27	NATO Katwijk, HOL	2310 clg DHJ 48
3247.0	EQA	Abadan R, IRN	SSB
3247.5	EQL	Anzali R, IRN	SSB
3250.0	OZW	Qanaaq R, GRL	SSB
	RXB 70	Khab. Meteo, SE, URS	FAX 60/576: 0218 chart
	UDK 2	Murmansk R, RU, URS	CW
3253.0	LZF 8	Sofia Meteo, BUL	1821-0350 ry or wx
	VFF	Frobisher Bay Meteo, NWT, CAN	FAX \$
3256.0	FUD	FN Toulon, F	CW
3257.5	JWT	NN Stavanger, NOR	CW
3259.0	'RPFN'	PN Lisbon, POR	75 Bd: 0327 ry
3266.7	LRB 83	TELAM Buenos Aires, ARG	0400+2300 S nx
3267.5		ship stations	QSX 2423.5 kHz (SAB)
3276.0	OYR	Aasiat R, GRL	SSB
3280.0	OYR	Aasiat R, GRL	SSB
	RBX 70	Tashkent Met., UZ, URS	FAX \$
3282.0	HKC	Buenaventura R, CLM	SSB QSX 2182.0 kHz
3283.1	ONY 27	NATO Rouveroy, BEL	0704-0037 foxes
3287.0	CKN	CF Vancouver, BC, CAN	CW
3289.5	GFA 21	Bracknell Meteo, G	FAX \$
3290.0	RGC 7.	Kiyev Meteo, UK, URS	24 h ry or wx
3297.0	EQA	Abadan R, IRN	SSB
3300.0	RUU 76	Leningrad Meteo, RU, URS	0226+0238 wx
			FAX 90/576: 2245 chart North Sea - Baltic Sea area
3306.0	MKK	RAF London, G	VFT: 75 Bd: 0138 ryi
		ENPA Valencia R, E	SSB
3310.0	UAH	Tallinn R, ES, URS	SSB
	UFB	Odessa R, UK, URS	SSB QSX 3180.0 kHz
3316.8	PCH 86	Scheveningen R, HOL	scheduled; QSX 2926.0 kHz
3325.0		ENPA Valencia R, E	SSB
3326.0	FDY	FAF Orleans, F	CW
3330.0	CHU	Ottawa TS, ONT, CAN	CW/SSB
	RWZ 72	Moscow Meteo, RU, URS	1800-0508 ry or wx
3347.0	FDY	FAF Orleans, F	CW
3349.6	DHJ 48	NATO Ramstein, D	1342 clg PAC 27
3355.0	DSC	Mokpo F R, KOR	CW QSX 2091.0 kHz

3355.0	FVL 20	Limoges Gendarmerie, F	CW
3355.3	OUJ 22	DA Aarhus, DNK	0346 ry
3356.0	SUA 99	MENA Cairo, EGY	1700+2100 E nx
3357.0	NAM	USN Norfolk, VA, USA	FAX \$
3358.5	TBH 3	TN Izmir, TUR	CW
3360.0	RPN 71	Kiyev Meteo, UK, URS	FAX \$
3365.0	IER 20	IFG Rome, I	1649-2345 msg
	JMJ	Tokyo Meteo, J	FAX \$
3370.0	DFC 37	DBP Frankfurt, D	SSB
3372.0		Tomsk Air, SW, URS	0040 msg (TPA)
3375.0	HLK	Gangreung R, KOR	CW QSOX 2091.0 kHz
3379.5	NPO	USN Subic Bay, PHL	FAX \$
3387.0	BLM 66	Chengdu Meteo, CHN	2150 wx
3388.0	'RFFG'	FF Strasbourg, F	ARQ-E 96 Bd: 0105 svc msg (IXV)
3392.0	LBA 4	NN Stavanger, NOR	CW

3400.0 - 3500.0

AERONAUTICAL MOBILE (R)

3401.0		AMS = 2B 2C 3B 9B 12C 13K	SSB
3404.0		AMS = 3A 3C 9C 9D 10B, VAFI	SSB
3407.0		AMS = 2B 2C 3B 7C 12D 14D	SSB
3410.0		AMS = 1D 3C 11B 13J	SSB
3413.0		AMS = CEP, 3B 6G 13C 14A	SSB
		14E, VEUR	
3416.0		AMS = 1D 2A 2B 3A 6D	SSB
3419.0		AMS = AFI,	SSB
		3B 3C 9B 10D 12J 13I	
3422.0		AMS = 2A 2B 3A 6G	SSB
3425.0		AMS = AFI, 3B 3C 9B 10D 13D	SSB
3428.0		AMS = 2B 2C 11B 13J	SSB
3431.0		AMS = 3A 3B 5B 6G	SSB
3434.0		AMS = 2A 2C 6F 11B 13G	SSB
3435.3	GYA	RN London, G	75 Bd: 0025+1647 test
3436.6	GZZ 6	RN London, G	FAX // 2813.6 kHz \$
			CW
3437.0		AMS = 3B 4A 6G 13M	SSB
3440.0		AMS = 2A 2C 6F 12	SSB
3443.0		AMS = 3A 3B 4B 6E 11B 13N	SSB
3446.0		AMS = 1D 6G 10E 13F 14	SSB
3449.0		AMS = 2B 2C 6G 10A 13M	SSB
3452.0		AMS = SAT, 3A 3C 5A 5C 14C	SSB
3455.0		AMS = CAR CWP, 2A 2C 7B 13H	SSB
3458.0		AMS = 1B 10D 13C 13J 13K,	SSB
		VSEA	
3461.0		AMS = 7F 9C 12E 12F 12G 12H	SSB
		14, VNCA	
3464.0		AMS = 1C 6G 12C 13K	SSB
3467.0		AMS = AFI MID SP, 10B 13D	SSB
3470.0		AMS = SEA, 1C 10A 13G	SSB
3473.0		AMS = MID, 1B 6C 10E 13C	SSB
3476.0		AMS = INO NAT, 9B 13F	SSB
3479.0		AMS = EUR SAM, 6A 6B 14	SSB
3482.0		AMS = 5D 6G	SSB
3485.0		AMS = EA SEA, 7E 13H, VNAT	SSB
3488.0		AMS = 1B 5B 6B 10B 12E 12F	SSB
		12G 12H 14B 14F	
3491.0		AMS = EA, 1E 4A 10C 13E	SSB
3494.0		AMS = W II	SSB
3497.0		AMS = W II	SSB

3500.0 - 3750.0

Region 1 = AMATEUR + FIXED

+ MOBILE except aeronautical mobile

Region 2 = AMATEUR

Region 3 = AMATEUR + FIXED + MOBILE

3501.3		SA Betera, E	1635 msgs + tfc to Valencia
		SA Valencia, E	1643 tfc to Betera
3517.0	GNI	Niton R, G	SITOR-A: 0619 tts
			CW
3530.0	UPB	Provideniya R, FE, URS	CW
3535.0	6YI	Kingston R, JMC	CW/SSB
3540.0	URD	Leningrad R, RU, URS	CW
3550.0	YMA 7	Ankara Meteo, TUR	1310-0420 ry or wx
		Khar'kov, UK, URS	0506+0517 R msgs wtsca
3563.6	7QH ..	many RAILMA R stns., MWI	SSB
3571.0	SUA 40	MENA Cairo, EGY	1500+1600+1700+1800+1900+2000+
			2100+2200 A nx
3590.0	ROF 71	Novosibirsk Met., SW, URS	1514-0343 wx
	UFH	Petropavl.-Km. R, FE, URS	CW
3595.0	9HA	Luqa Air, MLT	1558-0758 ry or msgs (MLA)
3597.5		Tübingen, D	ARG-E 96 Bd: 0748+0805+1343 en-
			crypted tfc
3602.5	STK	Khartoum Air, SDN	1943-0256 ry or msg
3605.0	CUL	Lisbon R, POR	SSB QSX 2182.0 kHz
	UQB	Kholask R, FE, URS	CW
3607.3	GNF	North Foreland R, G	SITOR-A: 0355-1557 tts; QSX
			2496.3 kHz
			CW
3607.8	GHD	Gallan Head R, G	SITOR-A: 1944 tts; QSX 2144.4
			kHz
			CW
3608.3	GCC	Cullercoats R, G	SITOR-A: 1938-0617 tts; QSX
			2497.3 kHz
			SITOR-B: 2110 tts
			CW
3610.0	GKR	Wick R, G	SSB
	GPK	Portpatrick R, G	SSB
	ROO 70	Rost.-na-D. M., UK, URS	FAX \$
3613.0	SVK	Kerkyra R, GRC	SSB QSX 2182.0 kHz
3615.7	GND	Stonehaven R, G	SITOR-A: 24 h tts; QSX 2000.7
			kHz
			CW
3617.0	GND	Stonehaven R, G	SSB
3618.5	CTH 21	PN Horta, AZR	CW
3622.5	JMH	Tokyo Meteo, J	FAX \$
3624.0	YKM 7	Lattakia R, SYR	SSB QSX 2182.0 kHz
3624.4	SVN	Athens R, GRC	SSB
3627.9	LFO	Oerlandet R, NOR	SSB QSX 3199.9 kHz
3628.0	70A	Aden R, YMS	SSB
3629.0	DSU	Oostende R, BEL	SSB
3630.0	SVR	Rhodes R, GRC	SSB QSX 2182.0 kHz
3631.0	LBN	Bergen R, NOR	SSB QSX 3203.0 kHz
	LBN	Vardoe R, NOR	SSB QSX 3203.0 kHz
3632.0	DSU	Oostende R, BEL	SSB
3635.5	'U'	Beacon Murmansk, RU, URS	CW
3636.0	YMH 2	Bandirma Meteo, TUR	CW
3638.0	LGV	Rogaland R, NOR	SSB QSX 3210.0 kHz
3640.0	SVH	Iraklion R, GRC	SSB QSX 2182.0 kHz
3641.0	BMB	Taipei Meteo, TAI	CW
3641.9	LGI	Farsund R, NOR	SSB QSX 3213.9 kHz
3645.0	LGL	Floroe R, NOR	SSB QSX 3217.0 kHz
	LBS	Svalbard R, Spitsbgn., NOR	SSB QSX 3217.0 kHz

3645.0		Antsohiy, MDG	CW
3648.0	TAM 4	Iskenderun R, TUR	SSB
3650.0		Madrid Meteo, E	FAX \$
3651.5	SXA 32	GN Piraeus, GRC	CW
3652.0	LGA	Alesund R, NOR	SSB QSX 3168.0 kHz
	LBI	Hammerfest R, NOR	SSB QSX 3168.0 kHz
	OSA	Antwerpen R, BEL	SSB
3655.0	OSA	Antwerpen R, BEL	SSB
	RVZ 73	Arkhangelsk Met., RU, URS	1803 ry
3656.0	4XA	Elat R, ISR	SSB
	4XO	Haifa R, ISR	SSB QSX 2182.0 kHz
3656.5	OST	Oostende R, BEL	SITOR-A: 1804+2238 tts
3659.5	FDC 3	FAF Dijon, F	CW
3660.9	SVN	Athens R, GRC	SSB
3666.0	GND	Stonehaven R, G	SSB
3670.0	OBH 2	Pimentel R, PRU	SSB
	YUS	Split R, YUG	SSB
	YUX	Dubrovnik R, YUG	SSB
3673.0	A7D	Doha R, QAT	SSB
	PCB	Scheveningen R, HOL	SSB QSX 3191.0 kHz
3675.5	'RFFAAX'	Paris Gendarmerie, F	0830 msgs
3677.0	'RFFAAX'	Paris Gendarmerie, F	SSB
3681.0	OSU	Oostende R, BEL	SSB
3684.0	OSU	Oostende R, BEL	SSB
3685.0	SXA 2	GN Piraeus, GRC	CW
3685.8	'RIFAG'	IA Palermo, I	0125 msgs
	'RIFAGF'	IA Trapani, I	0430 msgs to 'RIFAG'
3690.0	RBV 70	Tashkent Met., UZ, URS	FAX \$
	SBA	Nicosia R, CYP	SSB
3690.1		Roseau Port R, DMA	SSB
3694.0	'RPTI'	PN Ponta Delgada, AZR	0428 msg to 'RPTIGB'
	'RPTIH'	PN Horta, AZR	0602 ry
3699.7	HGX 21	MFA Budapest, HNG	1534 clg HGX 25
3702.0	FDB 21	FAF Cognac, F	CW
3706.5	CSE	PAF Lisbon, POR	FAX \$
3710.0	RGJ 61	Kuybishev Meteo, RU, URS	0214 ry, wx; 0239+0245 wx FAX 60/576: 1945+2245 chart Kazakhstan
3712.5	SXA 33	GN Piraeus, GRC	CW
3714.0	FSB	INTERPOL Paris, F	SITOR-A: 2058+2129 msg SITOR-B: 0655+0702 ry, 0720+ 0746+0910+1223+1530 msg SITOR-A: 0826+1815 tfc or msg SITOR-A: 1632+1800++1810+2212 msgs SITOR-A: 0628-1807 tfc + msg SITOR-A: 0626 tfc SITOR-A: 1805 msgs + tfc SITOR-A: 2212 tfc
3717.0	ONA 20	INTERPOL Brussels, BEL	
	DEB	INTERPOL Wiesbaden, D	
	FSB	INTERPOL Paris, F	
	HEP 72	INTERPOL Zürich, SUI	
	ONA 20	INTERPOL Brussels, BEL	
	PDB 2	INTERPOL Utrecht, HOL	
3722.0	FFC	Arcachon R, F	SSB QSX 2182.0 kHz
	FFU	Brest - Le Conquet R, F	SSB QSX 2182.0 kHz
	TKM	Grasse R, F	SSB QSX 2182.0 kHz
3724.0	GXH	RN/USN Thurso, G	CW
3730.0	URB 2	Klaipeda R, LI, URS	CW
3731.0	GXH	RN/USN Thurso, G	FAX // 3357.0 kHz \$
	SXA	GN Piraeus, GRC	CW
3735.0	DEB	INTERPOL Wiesbaden, D	SITOR-A: 1837 msg
	IQH	Napoli R, I	SSB
3737.0	UJY	Kaliningrad R, RU, URS	CW
3738.0	GKZ	Humber R, G	SSB
3740.0	LZW	Varna R, BUL	SSB QSX 2182.0 kHz
3742.0	A4M	Muscat R, OMA	SSB

3743.0	SVX	Chios R, GRC	SSB	QX 2182.0 kHz
3744.0	TNL	ASECNA Brazzaville, COG	ARQ 96 Bd: B: 0020 "ch" + msgs (FGA)	
3745.0	A4M	Muscat R, OMA	SSB	
	A9M	Hamala R, BHR	SSB	
	RIS 70	Tbilisi Met., GE, URS	FAX #	
3747.0	IPD	Civitavecchia R, I	SSB	

3750.0 - 3800.0

Region 1 = AMATEUR + FIXED
+ MOBILE except aeronautical mobile

Region 2 = AMATEUR + FIXED
+ MOBILE except aeronautical mobile (R)

Region 3 = AMATEUR + FIXED + MOBILE

3750.0	GCC	Cullercoats R, G	SSB	
	RBV 71	Tashkent Meteo, UZ, URS	1511-0244 ry or wx	
3762.5	JYN 39	Amman Meteo, JOR	1816-0336 ry or wx	
3765.0	4XA	Elat R, ISR	SSB	
	4XT	Tel Aviv R, ISR	SSB	
3772.9	SVN	Athens R, GRC	SSB	
3775.0	URL	Sevastopol' R, UK, URS	CW	
3778.0	GKZ	Humber R, G	SSB	
3781.0	XTU	ASECNA Ouagadougou, BFA	ARQ 96 Bd: A: 0520 "ch", wx with WMO headings B: 2155 msgs + "ch" to SUA (ONA)	
3782.0	CTP	NATO Lisbon, POR	CW	
3790.0	EBA	SN Madrid, E	CW	
	FDY	FAF Orleans, F	CW	
	OBR 3	Salaverry R, PRU	SSB	
3793.0	SVL	Limnos R, GRC	SSB	QX 2182.0 kHz
3795.0	FFB	Boulogne-sur-Mer R, F	SSB	QX 2182.0 kHz
	FFM	Marseille R, F	SSB	QX 2182.0 kHz
	FFO	Saint Nazaire R, F	SSB	QX 2182.0 kHz

3800.0 - 3900.0

Region 1 = AERONAUTICAL MOBILE (OR) + FIXED + LAND MOBILE

Region 2 = AMATEUR + FIXED
+ MOBILE except aeronautical mobile (R)

Region 3 = AMATEUR + FIXED + MOBILE

3800.0	OMZ	MFA Prague, TCH	75 Bd: 1233 msg	
3801.4	OBG 3	Pisco R, PRU	SSB	
	OBT 2	Talara R, PRU	SSB	
3803.0	9KT 22	KUNA Safat, KWT	1000-1900 E nx	
	'RFFS'	FF Metz, F	ARQ-E 96 Bd: 2046 air msgs to 'RFFC' (IBA)	
3807.0	9KT 22	KUNA Safat, KWT	0700-2000 A nx	
3809.0	YRR 5	Bucharest Meteo, ROU	2210-0436 wx	
3810.0	HD 210A	Guayaquil TS, EQA	CW/SSB	
	RST 75	Minsk Meteo, BY, URS	0230+1430 wx	
			FAX 90/576: 0555 table 1000/850/700/500/300 hPa values with Cyrillic text	
3814.0	FDC	FAF Metz-Frescaty, F	1325 clg FDX	
3817.0	FDY	FAF Orleans, F	CW	
3822.5	ARA	Karachi Air, PAK	0237 msg, 1736 ry	
3826.5	'RFFA'	MOD Paris, F	ARQ-E 96 Bd: 1954+2003+2027 msgs to 'RFFH' (INK)	
3832.5	FDG 2	FAF Mont-de-Marsan, F	CW	
3834.0	4XM 2	Tel Aviv Meteo, ISR	0020 ry, wx	
3840.0	LRO 23	NA Buenos Aires, ARG	0000+0100+2200+2300 S nx	

3840.0	DAB 6	PELPER Iquitos R, PRU	SSB
	OCP 2	PELPER Saramuro R, PRU	SSB
	'RPTIG'	PN Lajes, Flores I., AZR	0451 ry
3852.0	YRR	Bucharest Meteo, ROU	FAX 120/576: 1755+1812 charts "RADAR ROMANIA"
3855.0	DDH 3	Hamburg Meteo, D	FAX \$
3859.0	FUG	FN La Regine, F	75 Bd: 1904-0643 clg EBA or msg (navigational warnings)
3860.6	CWC 30	UN La Paloma, URG	SSB
	CWC 39	UN Montevideo, URG	SSB
	L..	many R stations, ARG	SSB
3871.0	DSB	Pusan F R, KOR	CW QSX 2091.0 kHz
3872.5		Embrun Gendarmerie, F	75 Bd: 0925 msg
3872.8		IFG Modena, I	0743 msg
3875.0	RCI 72	Moscow Meteo, RU, URS	FAX // 53.6 kHz \$
3883.5	AEM 1USA	USA MARS Heidelberg, D	SSB
3884.4	ASK	Karachi R, PAK	SSB QSX 2182.0 kHz
3889.5	5RA 35	Antananarivo, MDG	SSB
3890.0	UQB	Kholmok R, FE, URS	CW
3898.0	TNL	ASECNA Brazzaville, COG	ARQ 96 Bd: A: 0106 msg (FKA); 0205+2000+2146 wx with WMO head- ings B: 0206+2000 wx with WMO head- ings

3900.0 - 3950.0

Region 1 = AERONAUTICAL MOBILE (OR)
 Region 2 = AMATEUR + FIXED
 + MOBILE except aeronautical mobile (R)
 Region 3 = AERONAUTICAL MOBILE + BROADCASTING

3900.0	FDX	FAF Paris, F	1534 ry
3915.3	AGA 7ST	USAF MARS Stuttgart, D	45 Bd: 1415 msg
3916.7	AEM 1USA	USA MARS Heidelberg, D	45 Bd: 0835+1256 msg
3936.0	MKL	RAF Edinburgh, G	CW

3950.0 - 4000.0

Region 1 = BROADCASTING + FIXED
 Region 2 = AMATEUR + FIXED
 + MOBILE except aeronautical mobile (R)
 Region 3 = BROADCASTING + FIXED

3966.4	PAC 27	NATO Katwijk, HOL	1717 clg DHJ 48 + JXZ
3976.6	FDI	FAF Aix, F	1531 ry + tfc to FDX
3993.0	FDY	FAF Orleans, F	1838 ry
3995.0	RXA 71	Alma Ata Meteo, KA, URS	1847-0406 ry or wx
		Toamasina, MDG	CW
3996.8	PAC 27	NATO Katwijk, HOL	1300 ry, tfc
3999.0	HZJ	Jeddah Air, ARS	1610-0428 ry or msg (JVA)

4000.0 - 4063.0

FIXED + MARITIME MOBILE

4000.0		ship stations, ch 1	SSB
	RWN 79	PTT Moscow, RU, URS	0253 clg + tfc to RFB 22
4001.0	GXH	RN/USN Thurso, G	CW
4002.0	YRR 2	Bucharest Meteo, ROU	1718-0252 wx
4003.0		ship stations, ch 2	SSB
4004.5	LRO 2	TELAM Buenos Aires, ARG	0000+0300+0400+0900+2200+2300 S nx
4005.0	RSR 76	Minsk Meteo, BY, URS	1432+1443 wx
			FAX 90/576: 0730 chart North- ern Europe

4006.0		ship stations, ch 3	SSB	
4009.0		ship stations, ch 4	SSB	
4010.0	DFD 21	DBP Frankfurt, D	SSB	
4012.0		ship stations, ch 5	SSB	
4014.0	ZRO 5	Pretoria Meteo, AFS	FAX \$	
4015.0		ship stations, ch 6	SSB	
	FDY	FAF Orleans, F	CW	
	XZW	Rangoon Air, BRM	2240 ry	
4017.5	ZRO 5	Pretoria Meteo, AFS	75 Bds 0345+1715 wx	
4018.0		ship stations, ch 7	SSB	
4020.0	OVG 4	DM Frederikshavn, DNK	CW	
4021.0		ship stations, ch 8	SSB	
4024.0		ship stations, ch 9	SSB	
	OMV 92	Prague, TCH	1315 URSIGRAMs	
4025.0	SNN 299	MFA Warsaw, POL	75 Bds 0734 msg, 1654 ry	
4027.0		ship stations, ch 10	SSB	
4030.0		ship stations, ch 11	SSB	
	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW	
4031.0	FAC 20	FA Metz, F	SSB	
4033.0		ship stations, ch 12	SSB	
4036.0		ship stations, ch 13	SSB	
4037.5	SMA 4	Norrköping Meteo, S	FAX \$	
4039.0		ship stations, ch 14	SSB	
4042.0		ship stations, ch 15	SSB	
	A9M 9	GNA Manama, BHR	75 Bds 1500-2100 A nx	
	FDC 3	FAF Dijon, F	CW	
4042.5	FDY	FAF Orleans, F	CW	
4045.0		ship stations, ch 16	SSB	
	YRR 4	Bucharest Meteo, ROU	CW	
4048.0		ship stations, ch 17	SSB	
4048.3	JXZ	NATO Kolsaas, NOR	0658 ry	
4051.0		ship stations, ch 18	SSB	
4053.5	NGR	USN Kato Soli, GRC	FAX \$	
4054.0		ship stations, ch 19	SSB	
	FUF	FN Fort de France, MRT	CW	
4057.0		ship stations, ch 20	SSB	
4059.5	FYE 5	DIPLO Paris, F	1200+1300+1400 F nx, 1500 E nx	
4060.0		ship stations, ch 21	SSB	
4061.5	FVA 80	Rosny sur Bois Gendarm., F	CW	
4062.0		Cagliari Police, I	0645+0743 msgs to Rome	

4063.0 - 4438.0

MARITIME MOBILE

4063.0		ship stations, ch 401	SSB	QX 4357.4 kHz
	WCM	Withamsville R, OH, USA		
4064.4	OAJ 4	PIL Ilo R, PRU	SSB	
4066.1		ship stations, ch 402	SSB	QX 4360.5 kHz
		DDSG Vienna R, AUT		
4069.2		ship stations, ch 403	SSB	QX 4363.6 kHz
4072.3		ship stations, ch 404	SSB	QX 4366.7 kHz
		DDSG Vienna R, AUT		
4075.4		ship stations, ch 405	SSB	QX 4369.8 kHz
4078.5		ship stations, ch 406	SSB	QX 4372.9 kHz
4081.6		ship stations, ch 407	SSB	QX 4376.0 kHz
4084.7		ship stations, ch 408	SSB	QX 4379.1 kHz
4087.8		ship stations, ch 409	SSB	QX 4382.2 kHz
4089.8	QAO 4	MINERVA Lima R, PRU	SSB	
4090.9		ship stations, ch 410	SSB	QX 4385.3 kHz
4094.0		ship stations, ch 411	SSB	QX 4388.4 kHz
4097.1		ship stations, ch 412	SSB	QX 4391.5 kHz
4100.2		ship stations, ch 413	SSB	QX 4394.6 kHz

4103.3		ship stations, ch 414	SSB	Q5X 4397.7 kHz
4106.4		ship stations, ch 415	SSB	Q5X 4400.8 kHz
4109.5		ship stations, ch 416	SSB	Q5X 4403.9 kHz
4112.6		ship stations, ch 417	SSB	Q5X 4407.0 kHz
4115.7		ship stations, ch 418	SSB	Q5X 4410.1 kHz
	WFN	Jeffersonville R, IN, USA		
4118.8		ship stations, ch 419	SSB	Q5X 4413.2 kHz
4121.9		ship stations, ch 420	SSB	Q5X 4416.3 kHz
4125.0		ship stations, ch 421	SSB	Q5X 4419.4 kHz
		(worldwide calling frequency)		
		supplementary worldwide		
		distress and calling freq.		
4128.1		ship stations, ch 422	SSB	Q5X 4422.5 kHz
4131.2		ship stations, ch 423	SSB	Q5X 4425.6 kHz
	PPF	Fortaleza R, B		
4134.3		ship stations, ch 424	SSB	Q5X 4428.7 kHz
4135.0		Krasnoyarsk Air, SW, URS	O315 msg	(KKG)
4136.3	D..	many R stations, PHL	SSB	
	HOR 24	REFPA Panama R, PNR	SSB	
		Roseau Port R, DMA	SSB	
4137.4		ship stations, ch 425	SSB	Q5X 4431.8 kHz
	PY. 2.	many Iate Clube R stns., B	SSB	
4139.5	DZM 9	Manila R, PHL	SSB	
	HPQ 21	Panama Port R, PNR	SSB	
		Armuelles Port R, PNR	SSB	
		La Palma Port R, PNR	SSB	
		Vacamonte Port R, PNR	SSB	
4140.5		ship stations, ch 426	SSB	Q5X 4434.9 kHz
4142.0		Murmansk Met., RU, URS	FAX \$	
4143.6	worldwide	coast and ship stations	SSB	
		simplex frequency		
	CB./..	many DGTMM R stns., CHL		
	COB 36	Flota Cubana F R, CUB		
	CW. ..	many UN stations, URG		
	D3E	Luanda R, AGL		
	HAR 6	Budapest R, HNG		
	KUG	Pago Pago R, SMA		
	L..	many R stations, ARG		
	OAR 4	MARBUR Atico R, PRU		
	OCK 5	CNP Lima R, PRU		
	OSU 25	Oostende R, BEL		
	PCB 25	Scheveningen R, HOL		
	PK. ..	many R stations, INS		
	PP.	many R stations, B		
	PQP ..	SUDEPE Brasilia R, B		
	PY. 2.	many Iate Clube R stns., B		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	VI.	many R stations, AUS		
	YJM	Port-Vila R, Efate I., VUT		
	ZKN	Alofa R, NIU		
	ZKR	Avarua R, Rarotga. I., CKH		
	ZLB	Awarua R, NZL		
	ZLD	Auckland R, NZL		
	ZLW	Wellington R, NZL		
	ZMH ..	many Harbour R stns., NZL		
	ZSC 47	Capetown R, AFS		
	SWA	Apia R, SMO		
	9WH 20	Kota Kinabalu R, Sabah, MLA		
	9WW 20	Kuching R, Sarawak, MLA		
		Antillana Salvage R, CUB		
4150.0	GYA	RN London, G		75 Bd: 1351+1955-0747 test

4170.5		ship stations, series 1	Qsx 4350.0 kHz
4171.0		ship stations, series 2	Qsx 4350.5 kHz
4171.5		ship stations, series 3	Qsx 4351.0 kHz
4172.0		ship stations, series 4	Qsx 4351.5 kHz
4172.5		ship stations, series 5	Qsx 4352.0 kHz
4173.0		ship stations, series 6	Qsx 4352.5 kHz
4173.5		ship stations, series 7	Qsx 4353.0 kHz
4174.0		ship stations, series 8	Qsx 4353.5 kHz
4174.5		ship stations, series 9	Qsx 4354.0 kHz
4175.0		ship stations, series 10	Qsx 4354.5 kHz
4175.5		ship stations, series 11	Qsx 4355.0 kHz
4176.0		ship stations, series 12	Qsx 4355.5 kHz
4176.5		ship stations, series 13	Qsx 4356.0 kHz
4177.0		ship stations, series 14	Qsx 4356.5 kHz
4177.5		ship stations, non-paired	
	worldwide	NBDPT distr. and safety f.	
		ship stations	Qsx 4344.5 kHz (GKS 2)
4178.0		ship stations, non-paired	
4178.5		ship stations, non-paired	
		ship stations	Qsx 4268.6 kHz (SAB 23)
4179.0		ship stations, non-paired	
4179.5		ship stations, non-paired	
4180.2		ship stations calling, ch 1	CW
4180.6		ship stations calling, ch 2	CW
4181.0		ship stations calling, ch 3	CW
4181.4		ship stations calling, ch 4	CW
4181.8		ship stations calling, ch 5	CW
4182.2		ship stations calling, ch 6	CW
4182.6		ship stations calling, ch 7	CW
4183.0		ship stations calling, ch 8	CW
4183.4		ship stations calling, ch 9	CW
4183.8		ship stations calling, ch 10	CW
4184.2		ship stations calling, ch 11	CW
4184.6		ship stations calling, ch 12	CW
4185.0		ship stations calling, ch 13	CW
4185.4		ship stations calling, ch 14	CW
4185.8		ship stations calling, ch 15	CW
4186.2		ship stations calling, ch 16	CW
4186.6		ship stations calling, ch 17	CW
4187.0		ship stations calling, ch 18	CW
4187.5	worldwide	ship stations DSC freq.	
4188.0	worldwide	DSC distress and safety f.	
4196.0	'93 WPR'	SN Huelva, E	75 Bd: 2215 msg to '93 JJQ'
4202.5	RAT 21	Moscow Meteo, RU, URS	FAX \$
4220.0	LZW 2	Varna R, BUL	CW
	YIR	Basrah Control R, IRQ	CW
	ZAD 2	Durres R, ALB	CW
4220.5	C6N	Nassau R, BAH	CW
	DAF	Norddeich R, D	CW
4221.3	GYU	RN Gibraltar, GIB	CW
4222.0	DVZ 9	Navotas R, PHL	CW
	XSN	Ningbo R, CHN	CW
4222.2	ZRQ 2	SAN Capetown, AFS	CW
4223.0	KLC	Galveston R, TX, USA	CW
	KWX	NWS Lewes, DE, USA	FAX // 2614.4 kHz \$
	SVD 2	Athens R, GRC	CW
	UGH 2	Juzno R, FE, URS	CW
4223.5	9HD	Valetta R, MLT	CW
4224.0	DZD 9	Quezon City R, PHL	CW
4225.0	CLA 3	Habana R, CUB	CW
	JCT	Choshi R, J	CW
	LPC 45	Ushuaia R, ARG	CW

4225.0	XFM	Manzanillo R, MEX	CW
	XFN	Progreso R, MEX	CW
	6YX	JCG Kingston, JMC	CW
4226.0	DYE 6/9	Cebu R, PHL	CW
4226.5	STP	Port Sudan R, SDN	CW
4228.0	KFS	San Francisco R, CA, USA	CW
	XSP	Shantou R, CHN	CW
	9MG 6	Georgetown R, Pin. I., MLA	CW
4228.5	VII	Port Kennedy R, T. I., AUS	CW
	VIM	Melbourne R, VIC, AUS	CW
4229.0	UNM 2	Klaipeda R, LI, URS	CW
	VIP 7	Perth R, WA, AUS	CW
4230.0	D..	many R stations, PHL	CW
	UFB	Odessa R, UK, URS	CW
	4WD 3	Hodeidah R, YEM	CW
	'9B OQJ'	SN Madrid, E	75 Bd: 0236+1708+1820+1827 c1g '9S XRA'
4230.5	VIB	Brisbane R, QLD, AUS	CW
4231.0	A7D	Doha R, QAT	CW
	PPJ	Juncao R, B	CW
	S3E	Khulna R, BGD	CW
4232.0	HWN	FN Paris, F	CW
4232.5	CTV 4	PN Lisbon, POR	CW
	VPS 8	Victoria Island R, HKG	CW
	SRS	Toamasina R, MDG	CW
4233.0	A4M	Muscat R, OMA	CW
	UKX	Nakhodka R, SE, URS	CW
4233.5	Y5M	Rügen R, DDR	CW
4235.0	CLA 2	Habana R, CUB	CW
	HLP	Pusan R, KRE	CW
	ICB	Genova R, I	CW
	VAI	CCG Vancouver, BC, CAN	CW
4235.5	EDF	Aranjuez R, E	CW
4236.0	UDH	Riga R, LA, URS	CW
4236.5	VFF	CCG Frobisher B., NWT, CAN	CW
4238.0	DUF	Manila R, PHL	CW
	PK.	many R stations, INS	CW
	VTP 4	IN Vishakhapatnam, IND	CW
	WCC	Chatham R, MA, USA	CW
	4XO	Haifa R, ISR	CW
4239.0	HAR	Budapest R, HNG	CW
	9MB 2	MN Georgetown, Pin. I., MLA	CW
4239.4	SVB 2	Athens R, GRC	CW
4239.5	L..	many R stations, ARG	CW
4240.0	ELH	Harbel R, LBR	CW
	XSE	Qinhuangdao R, CHN	CW
	Y5M	Rügen R, DDR	CW
	ZSD 49	Durban R, AFS	CW
4241.0	HAR	Budapest R, HNG	CW
	L6W	Rogaland R, NOR	CW
	UKA	Vladivostok R, SE, URS	CW
	5AL	ARGOIL Tobruk R, LBY	CW
4242.0	DUS	Manila R, PHL	CW
4242.5	Y5M	Rügen R, DDR	1030+2100 G nx CW
	ZSD 43	Durban R, AFS	CW
4243.0	UVD	Magadan R, FE, URS	CW
4244.0	DAL	Norddeich R, D	CW
	DUN	PN Manila, PHL	CW
	J..	many R stations, J	CW
	PPR	Rio de Janeiro R, B	CW
	WKM	West Haven R, CT, USA	CW

4244.0	XSK	Beihai R, CHN	CW	
	3CA 4	Bata R, GNE	CW	
4245.0	UAD 2	Kholmak R, FE, URS	CW	
	UFN	Novorossiysk R, RU, URS	CW	
	VIS 53	Sydney R, NSW, AUS	CW	
4246.3	GYA	RN London, G	75 Bd: 1324+2215 test	
4247.0	CBO	DGTMM Punta Corona R, CHL	CW	
	KPH	San Francisco R, CA, USA	CW	
	OBC 3	Callao R, PRU	CW	
	P2M	Port Moresby R, PNG	CW	
	P2R	Rabaul R, PNG	CW	
4247.5	PPL	Belem R, B	CW	
4247.6	GZZ 2	RN London, G	FAX // 2813.6 kHz \$	
			CW	
4248.0	DUM	Manila R, PHL	CW	
4250.0	ASK	Karachi R, PAK	CW	
	LZW 2	Varna R, BUL	CW	
	PCH 20	Scheveningen R, HOL	CW	
	XFL	Mazatlan R, MEX	CW	
	ZLP 2	RNZN Waiouru, NZL	CW	
4251.0	PPJ	Juncao R, B	CW	
	3VP 6	Sakhira R, TUN	CW	
4251.5	GKC 2	Portishead R, G	CW	
4253.0	TAH	Istanbul R, TUR	CW	
	UXN	Arkhangelsk R, RU, URS	1452 R tts wtsca	
	XSZ	Dalian R, CHN	CW	
4253.5	HZG	Dammam R, ARS	CW	
4255.0	CFH	CF Halifax, NS, CAN	CW	
	LST	YPF Buenos Aires R, ARG	CW	
4255.3	PZN 25	Paramaribo R, SUR	CW	
4255.6	VIR	Rockhampton R, QLD, AUS	CW	
	VIT	Townsville R, QLD, AUS	CW	
4256.0	CBV	DGTMM Valparaiso R, CHL	CW	
4256.3	COP	Yright Klingenfuss, D	CW	
	DZY 7	Manila R, PHL	CW	
	GKD 2	Portishead R, G	CW	
	KLC	Galveston R, TX, USA	CW	
	WLO	Mobile R, AL, USA	CW	
4256.5	SXE	HCG Elevisis, GRC	CW	
	WLO	Mobile R, AL, USA	CW	
4259.0	HEB	Berne R, SUI	CW	
	PWZ	BN Rio de Janeiro, B	CW	
4260.0	DZB 7	Malabon R, PHL	CW	
	OBF 4	Mollendo R, PRU	CW	
	PW.	many BN stations, B	CW	
	TBA 2	TN Ankara, TUR	CW	
	UDK 2	Murmansk R, RU, URS	CW	
	Y5M	Rügen R, DDR	CW	
4260.3	ZLO	RNZN Waiouru, NZL	CW	
4261.0	EBA	SN Madrid, E	CW	
	ZSC 45	Capetown R, AFS	CW	
4262.0	DZW	Manila R, PHL	CW	
	EQL	Anzali R, IRN	CW	
	EQO	Nowshahr R, IRN	CW	
	EQP	Golmankhaneh R, IRN	CW	
	J2A 4	Jibuti R, DJI	CW	
	LPD 62	General Pacheco R, ARG	CW	
	LZL 2	Bourgass R, BUL	CW	
	SAB 2	Goeteborg R, S	CW	
	9GA	Takoradi R, GHA	CW	
4263.5	YKI	SCOTC Tartus R, SYR	CW	
4265.0	CBV	DGTMM Valparaiso R, GRC	CW	

4265.0	DAM	Norddeich R/TS, D	CW
	PPL	Belem R, B	CW
	UBN	Zhdanov R, UK, URS	CW
	Y5M	Rügen R, DDR	CW
4266.0	XSR	Haikou R, CHN	CW
4267.9	GKG 2	Portishead R, G	CW
4268.0	CKN	CF Vancouver, BC, CAN	FAX \$
	DVY 2	Manila R, PHL	CW
	DZE	Mandaluyong R, PHL	CW
	LPD 68	General Pacheco R, ARG	CW
	VTG 4	IN Bombay, IND	CW
	WCC	Chatham R, MA, USA	CW
	XFC	Cozumel R, MEX	CW
	XFK	La Paz R, MEX	CW
	XFQ	Salina Cruz R, MEX	CW
4268.6	SAB 23	Goeteborg R, S	SITOR-A: 24 h tts; QSB 4178.4 kHz
			SITOR-B: 1700 Swedish nx
4269.0	XSO 4	Zhoushan R, CHN	CW
4269.5	EDZ	Aranjuez R, E	CW
4270.0	DZD 3	Manila R, PHL	CW
4271.0	CFH	CF Halifax, NS, CAN	75 Bds 2200-1000 wx FAX // 122.5 kHz \$
	FUJ	FN Noumea, NCL	CW
	OFJ 4	Helsinki R, FNL	CW
	UBE 2	Petropavl.-Km. R, FE, URS	CW
	XFY	Guaymas R, MEX	CW
	XSG	Shanghai R, CHN	CW
4272.0	SPH 22	Gdynia R, POL	CW
4272.5	VIA	Adelaide R, SA, AUS	CW
	VID	Darwin R, NT, AUS	CW
4273.0	HLF	Soul R, KOR	CW
4274.0	DZF	Bacoar R, PHL	CW
	GKB 2	Portishead R, G	CW
	KFS	San Francisco R, CA, USA	CW
	WPD	Tampa R, FL, USA	CW
	XSU	Yantai R, CHN	CW
4275.0	HPP	Panama R, PNR	CW
	UFN	Novorossiysk R, RU, URS	0119+0323+1512+1844 R tts wtsca
4276.0	JNA	Tokyo R, J	CW
4277.0	HKB	Barranquilla R, CLM	CW
	UJO 5	Izmail R, UK, URS	CW
	VRT	Hamilton R, BER	CW
	ZLB 2	Awarua R, NZL	CW
4278.0	DZP	Novaliches R, PHL	CW
	HZG	Dammam R, ARS	CW
	XSH	Basuo R, CHN	CW
4279.0	VWA 1	Ramnagar Port R, IND	CW
	VWA 2	Hugli Port R, IND	CW
	VWA 509	Halidia Port R, IND	CW
	'98 OQJ'	SN Madrid, E	75 Bds 0058+0748+1408+1600+2107 clg '95 XRA'
4280.0	CWM /..	many UN stations, URG	CW
	IDQ	IN Rome, I	CW
	PBC 34	DN Goeree Island, HOL	75 Bds 24 h ry
	PPO	Olinda R, B	CW
4282.0	DVZ 6	Malabon R, PHL	CW
	LZL 2	Bourgass R, BUL	CW
4283.0	DHJ 59	GN Wilhelmshaven, D	CW
	RTEU	Aleksandrov-S. R, FE, URS	CW
	S9M	Sao Tome R, STP	CW

4283.0	UKW 3	Korsakov R, FE, URS	CW	
	UQK	Riga R, LA, URS	CW	
	XSV	Tianjin R, CHN	CW	
	ZSJ 2	SAN Capetown, AFS	CW	
4284.0	A9M	Hamala R, BHR	CW	
4285.0	UAH	Tallinn R, ES, URS	CW	
	UFL	Vladivostok R, SE, URS	CW	
	VCS	CCG Halifax, NS, CAN	CW	
	XFU	Veracruz R, MEX	CW	
4286.0	DZD	Antipolo R, PHL	CW	
	GKA 2	Portishead R, G	CW	
	UKA	Vladivostok R, SE, URS	CW	
	VIX 2	RAN Canberra, ACT, AUS	CW	
	VWC	Calcutta R/TS, IND	CW	
4286.9	5RS	Toamasina R, MDG	CW	
4287.0	FJY 4	Martin de Vivies R, AMS	CW	
4288.0	DZZ	Manila R, PHL	CW	
	XSQ	Guangzhou R, CHN	CW	
	7TA 2	El Djaza'ir R, ALG	CW	
4289.0	C9L 2	Maputo R, MOZ	CW	
	C9L 6	Mocambique R, MOZ	CW	
	PWZ	BN Rio de Janeiro, B	CW	
	4XZ	IN Haifa, ISR	CW	
4290.0	DZO	Bulacan R, PHL	CW	
	TIM	Limon R, CTR	CW	
	XSG 22	Shanghai R, CHN	CW	
4290.5	OST 22	Oostende R, BEL	CW	
4291.0	QBY 2	Paita R, PRU	CW	
	ZSC 46	Capetown R, AFS	CW	
4292.0	CUG 32	Ponta Delgada R, AZR	CW	
	CUL 4	Lisbon R, POR	CW	
	D4D	Praia R, Santiago, CPV	CW	
	EQ.	many R stations, IRN	CW	
	IAR 24	Rome R, I	CW	
	XFA	Acapulco R, MEX	CW	
	XFP	Chetumal R, MEX	CW	
	XYR 6	Rangoon R, BRM	CW	
4292.5	OMP 2	Prague R, TCH	CW	
4293.0	XSO	Wenzhou R, CHN	CW	
4293.5	EQY	IOEPC Mahshahr R, IRN	CW	
4294.0	SXA 34	GN Piraeus, GRC	CW	
	WNU	Slidell R, LA, USA	CW	
4295.0	PK.	many R stations, INS	CW	
	UHK	Batumi R, GE, URS	CW	
	XSJ	Zhanjiang R, CHN	CW	
	6VA 3	Dakar R, SEN	CW	
4296.0	DZK	Bulacan R, PHL	CW	
	IQX	Trieste R, I	CW	
4297.0	CWT	Puerto Montevideo R, URG	CW	
	TIM	Limon R, CTR	CW	
4298.0	DVM 2	Makati R, PHL	CW	
	FJA 41	Papeete R, Tahiti, OCE	CW	
	NOJ	USCG Kodiak, ALS	FAX \$	
	OST 2	Oostende R, BEL	CW	
	PPD	Olinda R, B	CW	
4299.0	9KK 2	Safat R, KWT	CW	
4299.5	SAB 2	Goeteborg R, S	CW	
4300.2	GBY 2	RN London, G	CW	
4301.0	CBV	DGMMM Valparaiso R, CHL	CW	
	GYA	RN London, G	75 Bd: 0818+1105+1522+1706	
			test	
	VWM	Madras R, IND	CW	

4301.0	ZPK	Asuncion R, PRG	CW
4302.0	A9M	Hamala R, BHR	CW
	ZA.	many R stations, ALB	CW
4303.0	OXZ 2	Lyngby R, DNK	CW
4304.0	L2C	Buenos Aires R, ARG	CW
	L2Q	Mar del Plata R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
4305.0	UIB 2	Magadan R, FE, URS	CW
	XSZ	Dalian R, CHN	CW
4306.0	SPE 21	Szczecin R, POL	CW
4307.0	C9C 3	MN Maputo, MOZ	CW
	PW.	many BN stations, B	CW
	UMV	Murmansk R, RU, URS	CW
	UON	Baku R, AZ, URS	CW
	ZPK	Asuncion R, PRG	CW
4307.5	XFB	Ciudad del Carmen R, MEX	CW
	XFE	Ensenada R, MEX	CW
4308.0	HLG	Soul R, KOR	CW
4308.5	DAN	Norddeich R, D	CW
4309.0	HZG	Dammam R, ARS	CW
4309.2	XSK 4	Haimen R, CHN	CW
4310.0	DYP	Cebu R, PHL	CW
	MTI	RN Plymouth, G	CW
	PWL	BN Ladario, B	CW
	WNU	Slidell R, LA, USA	CW
	XSI	Sanya R, CHN	CW
4311.2	'98 OQJ'	SN Madrid, E	75 Bd: 1122 ry
4313.0	FUG	FN La Regine, F	CW
	Y5M	Rügen R, DDR	CW
	9VG 33	Singapore R, SNG	CW
4314.0	LZW 2	Varna R, BUL	CW
	XSM	Xiamen R, CHN	CW
4314.5	GKH 2	Portishead R, G	CW
4314.9	GKN 2	Portishead R, G	CW
4315.0	XVG 22	Hai Phong R, VTN	CW
4316.0	A7D	Doha R, QAT	CW
	DYV	Iloilo R, PHL	CW
	GKM 2	Portishead R, G	CW
	JJC	Tokyo R, J	FAX 60/288: 0017+0642-1038+ 1406-1759 J nx (text)
	VWB	Bombay R, IND	CW
	WSC	Tuckerton R, NJ, USA	CW
4316.9	GKO 2	Portishead R, G	CW
4317.0	ZSC 33	Capetown R, AFS	CW
4317.5	GKI 2	Portishead R, G	CW
4318.0	DZU	Pasig R, PHL	CW
4319.0	OXZ 21	Lyngby R, DNK	CW
	SPH 23	Gdynia R, POL	CW
	XSG	Shanghai R, CHN	CW
4320.0	IAR 4	Rome R, I	CW
4322.0	CBM	DGTMMM Magallanes R, CHL	CW
	PWZ	BN Rio de Janeiro, B	CW
	9VG 54	Singapore R, SNG	CW
4323.0	UFH	Petropavl.-Km. R, FE, URS	CW
	VIC	Carnarvon R, WA, AUS	CW
4323.5	YQI 2	Constanta R, ROU	CW
4323.6	ELZ	Cape Palmas R, LBR	CW
	VIE	Esperance R, WA, AUS	CW
	VIO	Broome R, WA, AUS	CW
4324.0	DZH	Manila R, PHL	CW
4325.0	AQP 3	PN Karachi, PAK	CW
	FUB	FN Paris, F	0755 clg FAAA, anns "hotel alfa 0800z"

4325.0	HKC	Buenaventura R, CLM	CW	
	LFW	Rogaland R, NOR	CW	
	OBQ 5	Iquitos R, PRU	CW	
	SUP	Port Said R, EGY	CW	
4326.0	DYD 2	Cebu R, PHL	CW	
	XSF	Lianyungang R, CHN	CW	
4326.5	GKJ 2	Portishead R, G	CW	
	JYD	Aqaba R, JOR	CW	
4327.0	SVF 2	Athens R, GRC	CW	
4328.0	CLS	Habana F R, CUB	CW	
	DZM	Bulacan R, PHL	CW	
	FFL 2	Saint Lys R, F	CW	
	JOS	Nagasaki R, J	CW	
	ZPK	Asuncion R, PRG	CW	
4330.0	DZJ	Bulacan R, PHL	CW	
		Sverdlovsk Air, SW, URS		0258 R msgs wtsca (STA)
4331.0	HAR	Budapest R, HNG	CW	
	SPE 22	Szczecin R, POL	CW	
	WCC	Chatham R, MA, USA	CW	
4332.5	JCK	Kobe R, J	CW	
4334.0	DXD 9	Davao R, PHL	CW	
	FUE	FN Brest, F		75 Bd: 0756 clg FAAC, 0800 en- crypted tlc after "hotel alfa 0800z"
	LSA 2	Boca R, ARG	CW	
	PJC	Willemstad R, Curacao, ATN	CW	
	VFR	CCG Resolute, NWT, CAN	CW	
	XST	Qingdao R, CHN	CW	
4335.0	UDH	Riga R, LA, URS	CW	
4336.0	DZI	Bacoar R, PHL	CW	
	GKK 2	Portishead R, G	CW	
		Prague Meteo, TCH		0817-1652 wx
4337.0	CBV	DGTHMM Valparaiso R, CHL	CW	
	SPH 21	Gdynia R, POL	CW	
	ZPK	Asuncion R, PRG	CW	
	3CA 5	Malabo R, GNE	CW	
	9MG 6	Georgetown R, Pin. I., MLA	CW	
4338.0	DYM	Cebu R, PHL	CW	
4338.5	HPP	Panama R, PNR	CW	
4339.4		Zhigalovo Air, SE, URS		0330 msgs (KWD)
4340.0	XSQ	Guangzhou R, CHN	CW	
	9GX	Tema R, GHA	CW	
4342.0	IRM	CIRM Rome, I	CW	
	LZL 2	Bourgas R, BUL	CW	
	XUK 4	Kompong Som Ville R, KMP	CW	
4343.0	SVA 2	Athens R, GRC	CW	
	TUA 3	Abidjan R, CTI	CW	
	XSD	Yingkou R, CHN	CW	
	XSL	Fuzhou R, CHN	CW	
	YJM 4	Port-Vila R, VUT	CW	
4344.0	DUN	PN Manila, PHL	CW	
4344.5	GKS 2	Portishead R, G		scheduled
	OMC	Bratislava R, TCH	CW	
	OMK	Komarno R, TCH	CW	
	OMP 21	Prague R, TCH	CW	
4345.0	UFM 3	Nevelsk R, FE, URS	CW	
4346.0	CWA	Cerrito R, URG	CW	
	DZO 9	Manila R, PHL	CW	
	NMC	USCG San Francisco, CA, USA	FAX \$	
	WMH	Baltimore R, MD, USA	CW	
	XF. .	many PEMEX R stations, MEX	CW	

4346.0	YUR 2	Rijeka R, YUG	CW
4347.5	SBA	Nicosia R, CYP	CW
4348.0	DZN 4	Manila R, PHL	CW
4348.5	HSA 23	Bangkok R, THA	CW
4349.0	CBV	DGTHMM Valparaiso R, CHL	CW
	CLS	Habana F R, CUB	CW
	EAD	Aranjuez R, E	CW
	EQM	Bushire R, IRN	CW
	EQN	Khomeini R, IRN	CW
	EQQ	Khark R, IRN	CW
	JCS	Choshi R, J	CW
	KLB	Seattle R, WA, USA	CW
	S7Q	Victoria R, Mahe, SEY	CW
	UXN	Arkhangelsk R, RU, URS	CW
4350.0		coast stations, series 1	QSO 4170.5 kHz
	A9M	Hamala R, BHR	SITOR-A: 1649 tts
	DCN	Norddeich R, D	scheduled
	IAR	Rome R, I	SITOR-A: 0618-1658 tts
			CW
	JBO	Tokyo R, J	scheduled
	KFS	San Francisco R, CA, USA	scheduled
	OCJ 2	CPV Callao R, PRU	CW
	S9M	Sao Tome R, STP	scheduled
	TBB 5	TN Ankara, TUR	CW
	UAH	Tallinn R, ES, URS	SITOR-A: 0110 R tts wtsca
			CW
	UHK	Batumi R, GE, URS	scheduled
	UMV	Murmansk R, RU, URS	scheduled
	9VG 74	Singapore R, SNG	scheduled
4350.5		coast stations, series 2	QSO 4171.0 kHz
	CUL	Lisbon R, POR	scheduled
	GKE 2	Portishead R, G	SITOR-A: 24 h tts
			SITOR-B: 1100 ttc list
			CW
	OXZ	Lyngby R, DNK	scheduled
	UFB	Odessa R, UK, URS	scheduled
	UFN	Novorossiysk R, RU, URS	scheduled
	UNM 2	Klaipeda R, LI, URS	scheduled
	WNU	Slidell R, LA, USA	scheduled
	ZLW	Wellington R, NZL	scheduled
4351.0		coast stations, series 3	QSO 4171.5 kHz
	KFS	San Francisco R, CA, USA	scheduled
	LGW 2	Rogaland R, NOR	SITOR-A: 0237-1650 tts
			SITOR-B: 1900 N nx
			CW
	ODR 9	Beirut R, LBN	CW
	OST 26	Oostende R, BEL	scheduled
	UAH	Tallinn R, ES, URS	CW
	UBN	Zhdanov R, UK, URS	scheduled
			CW
	UFL	Vladivostok R, SE, URS	scheduled
	URD	Leningrad R, RU, URS	scheduled
	XSV	Tianjin R, CHN	scheduled
	ZSD 58	Durban R, AFS	scheduled
4351.5		coast stations, series 4	QSO 4172.0 kHz
	IAR	Rome R, I	scheduled
	NHN	USCG Portsmouth, VA, USA	scheduled
	NMO	USCG Honolulu, HWA	scheduled
	PCH 25	Scheveningen R, HOL	SITOR-A: 0429-0915+1405-1839
			tts
			CW
	UCO	Yalta R, UK, URS	scheduled

4351.5	UQB	Kholmok R, FE, URS	scheduled
	UXN	Arkhangelsk R, RU, URS	scheduled
	3AC 14	Monte Carlo R, MCO	scheduled
4352.0		coast stations, series 5	QBX 4172.5 kHz
	A7D	Doha R, QAT	scheduled
	DCH	Norddeich R, D	scheduled
	FFT 21	Saint Lys R, F	scheduled
			CW
	HZG	Dammam R, ARS	scheduled
	UBE 2	Petropavlovsk R, FE, URS	scheduled
	WLO	Mobile R, AL, USA	SITOR-A: 0322 tts, 0415 E nx SITOR-B: 0030+0530+2330 tfc list, WX CW
	YVG	La Guayra R, VEN	CW
	5RS	Toamasina R, MDG	scheduled
4352.5		coast stations, series 6	QBX 4173.0 kHz
	HEC 14	Berne R, SUI	scheduled
			CW
	LGW 3	Rogaland R, NOR	SITOR-A: 0121+0358+0800+0915+ 1826 tts SITOR-B: 0700+1500+1700+1900 N nx CW
	OFA	Helsinki R, FNL	scheduled
	SVS 2	Athens R, GRC	scheduled
	UPB	Provideniya R, FE, URS	scheduled
	VIP 31	Perth R, WA, AUS	scheduled
4353.0		coast stations, series 7	QBX 4173.5 kHz
	DCL	Norddeich R, D	SITOR-A: 0012+1230 tts
	UFM 3	Nevelsk R, FE, URS	scheduled
	UXN	Arkhangelsk R, RU, URS	SITOR-A: 2323 R tts wtsca CW
	VCS	CCG Halifax, NS, CAN	scheduled
	XSG	Shanghai R, CHN	scheduled
	YUS	Split R, YUG	scheduled
4353.5		coast stations, series 8	QBX 4174.0 kHz
	FFT 22	Saint Lys R, F	scheduled
	BKP 2	Portishead R, G	SITOR-A: 24 h tts CW
	HPP	Panama R, PNR	scheduled
	WPD	Tampa R, FL, USA	scheduled
	YUR	Rijeka R, YUG	scheduled
	ZSC 61	Capetown R, AFS	SITOR-B: 1815 tfc list
4354.0		coast stations, series 9	QBX 4174.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	KLC	Galveston R, TX, USA	scheduled
	LGW 4	Rogaland R, NOR	scheduled
	SAB 209	Goeteborg R, S	SITOR-A: 1602-0918 tts CW
	UJQ	Kiyev R, UK, URS	scheduled
	VAI	CCG Vancouver, BC, CAN	scheduled
	YUR	Rijeka R, YUG	scheduled
4354.5		coast stations, series 10	QBX 4175.0 kHz
	IAR	Rome R, I	scheduled
	LGW 5	Rogaland R, NOR	scheduled
	OFA	Helsinki R, FNL	scheduled
	URB 2	Klaipeda R, LI, URS	scheduled
	WLO	Mobile R, AL, USA	SITOR-A: 0109 tts CW
4355.0		coast stations, series 11	QBX 4175.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled

4355.0	PCH 26	Scheveningen R, HOL	SITOR-A: 24 h tts CW
	UFH	Petropavlovsk R, FE, URS	scheduled
	WFN	Jeffersonville R, IN, USA	scheduled
	XSQ	Guangzhou R, CHN	scheduled
	YUH	Bar R, YUG	scheduled
4355.5		coast stations, series 12	QSX 4176.0 kHz
	HEC 24	Berne R, SUI	scheduled CW
	HPP	Panama R, PNR	scheduled
	NMC	USCG San Franc., CA, USA	scheduled
	NMF	USCG Boston, MA, USA	scheduled
	NRV	USCG Apra Harbour, GUM	scheduled
	OST 27	Oostende R, BEL	scheduled
	OXZ	Lyngby R, DNK	SITOR-A: 24 h tts SITOR-B: 1630 Danish nx, 1730 tfc list CW
	UGH 2	Juzno R, FE, URS	scheduled
4356.0		coast stations, series 13	QSX 4176.5 kHz
	A7D	Doha R, QAT	scheduled CW
	DCF	Norddeich R, D	SITOR-A: 0100+1010+1227+1949 tts
	KPH	San Francisco R, CA, USA	scheduled
	SVU 2	Athens R, GRC	scheduled
	UDK 2	Murmansk R, RU, URS	scheduled
	UKX	Makhodka R, SE, URS	scheduled
	UQK	Riga R, LA, URS	scheduled
	WCC	Chatham R, MA, USA	scheduled
	3AC 24	Monte Carlo R, MCO	scheduled
	9HG 13	Georgetown R, Pin. I., MLA	scheduled
4356.5		coast stations, series 14	QSX 4177.0 kHz
	GKQ 2	Portishead R, G	scheduled
	IAR	Rome R, I	SITOR-A: 0726 tts CW
	KPH	San Francisco R, CA, USA	scheduled
	SAB 214	Goeteborg R, S	SITOR-A: 24 h tts
	UDH	Riga R, LA, URS	scheduled
	VIS 61	Sydney R, NSW, AUS	scheduled
	WCC	Chatham R, MA, USA	SITOR-A: 0107 tts SITOR-B: 0100 tfc list CW
	5BA 91	Nicosia R, CYP	scheduled
4357.0	worldwide	coast stations DSC freq.	
4357.4		coast stations, ch 401	SSB QSX 4063.0 kHz
	CBM 9	ETAL Punta Arenas R, CHL	
	CB./.	many DGTMM R stations, CHL	
	CLA 62	Habana R, CUB	
	CWF	Punta Carretas R, URG	
	DAP	Norddeich R, D	
	DZK 3	Manila R, PHL	
	HLS	Soul R, KOR	
	HPP 20	Panama R, PNR	
	HPQ 21	Panama Port R, PNR	
	HSA 8	Bangkok R, THA	
	KMI	Dixon R, CA, USA	
	LGN 2	Rogaland R, NOR	
	OXZ	Lyngby R, DNK	
	PKN	Balikpapan R, INS	
	PKP	Dumai R, INS	
	PNK	Jayapura R, INS	
	SAG	Goeteborg R, S	

4357.4	TAN 2	Izmir R, TUR		
	TAO 2	Trabzon R, TUR		
	UDH	Riga R, LA, URS		
	UFL	Vladivostok R, SE, URS		
	UHK	Batumi R, GE, URS		
	UPB	Provideniya R, FE, URS		
	UXN	Arkhangelsk R, RU, URS		
	WAH	Saint Thomas R, VIR		
	YUS	Split R, YUG		
	ZPA	Asuncion R, PRG		
	ZSV 31	Walvis Bay R, NMB		
	SWA	Apia R, SMO		
	9PA	Banana R, ZAI		
4360.5		coast stations, ch 402	SSB	Qsx 4066.1 kHz
	EQN	Khomeini R, IRN		
	GKT 22	Portishead R, G		
	IAR	Rome R, I		
	SPC 23	Gdynia R, POL		
	S3D	Chittagong R, BGD		
	UMV	Murmansk R, RU, URS		
	XSG	Shanghai R, CHN		
	ZAD	Durres R, ALB		
	SRD	Mahajanga R, MDG		
	9GA	Takoradi R, GHA		
		Antalaha R, MDG		
		Manakara Sud R, MDG		
4363.0	'94 PLL'	SN Cartagena, E	75 Bd: 1704 msgs	
			CW	
4363.6		coast stations, ch 403	SSB	Qsx 4069.2 kHz
	CFH	CF Halifax, NS, CAN		
	DYS 9	Cebu R, PHL		
	ETC	Assab R, ETH		
	LGN 3	Rogaland R, NOR		
	OBC 3	Callao R, PRU		
	QXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	VFA	CCG Inuvik, NWT, CAN		
	VFC	CCG Cambridge B., NWT, CAN		
	VFU 6	CCG Coppermine, NWT, CAN		
	WOM	Pennsuco R, FL, USA		
	XFA	Acapulco R, MEX		
	XFC	Cozumel R, MEX		
	XF. .	many PEMEX R stations, MEX		
	XVG 4	Hai Phong R, VTN		
	ZSQ 22	Port Elizabeth R, AFS		
	3AC 4	Monte Carlo R, MCO		
	5VA 8	Lome R, TGO		
4365.0	RFJ 78	Tashkent Met., UZ, URS	FAX //	3690.0 kHz \$
4366.7		coast stations, ch 404	SSB	Qsx 4072.3 kHz
	A4M	Muscat R, OMA		
	CB./..	many DGTMM R stations, CHL		
	EQL	Anzali R, IRN		
	FFL 21	Saint Lys R, F		
	FJP 4	Noumea R, NCL		
	GYU	RN Gibraltar, GIB		
	PP.	many R stations, B		
	SPO 22	Szczecin R, POL		
	S3D	Chittagong R, BGD		
	VI.	many R stations, AUS		
	XF./.	many PEMEX/R stations, MEX		
	XSQ	Guangzhou R, CHN		
	4PB	Colombo R, SLK		

4366.7	4XO 6VA	Haifa R, ISR Dakar R, SEN Abidjan F R, CTI		
4367.6	GFL 26 / GFA 22	Bracknell Meteo, G	(sp 2 x 4489.0 kHz - 4610.0 kHz)	
4369.8		coast stations, ch 405	SSB	QX 4075.4 kHz
	CB../..	many DGTMM R stations, CHL		
	CW../..	many UN stations, URG		
	EQM	Bushire R, IRN		
	FFL 23	Saint Lys R, F		
	PCG 21	Scheveningen R, HOL		
	PP.	many R stations, B		
	UCY 2	Astrakhan' R, RU, URS		
	UFN	Novorossiysk R, RU, URS		
	UNM 2	Klaipeda R, LI, URS		
	UON	Baku R, AZ, URS		
	VIS	Sydney R, NSW, AUS		
	WLO	Mobile R, AL, USA		
	XSG	Shanghai R, CHN		
	Y5M	Rügen R, DDR		
	ZSC 25	Capetown R, AFS		
	6YI	Kingston R, JMC		
	9VG 60	Singapore R, SNG		
4372.9		coast stations, ch 406	SSB	QX 4078.5 kHz
	EHY	Pozuelo del Rey R, E		
	GKT 26	Portishead R, G		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	HZG	Dammam R, ARS		
	LPW 45	Bahia Blanca R, ARG		
	OHG 2	Helsinki R, FNL		
	SPC 22	Gdynia R, POL		
	TFA	Reykjavik R, ISL		
	TFT	Hornafjoerdur R, ISL		
	XSV	Tianjin R, CHN		
	ZAV	Vlore R, ALB		
	3DP	Suva R, FJI		
	5BA 22	Nicosia R, CYP		
	5RD	Tolanaro R, MDG		
	5RN	Nosy Be R, MDG		
	5RS	Toamasina R, MDG Morondava R, MDG		
4376.0		coast stations, ch 407	SSB	QX 4081.6 kHz
	EHY	Pozuelo del Rey R, E		
	EQA	Abadan R, IRN		
	JBO	Tokyo R, J		
	LGN 4	Rogaland R, NOR		
	OB.	many R stations, PRU		
	PCG 24	Scheveningen R, HOL		
	TAM 7	Canakkale R, TUR		
	V..	many CCG stations, CAN		
	Y5M	Rügen R, DDR		
	ZSD 37	Durban R, AFS		
	4PB	Colombo R, SLK		
	8PO	Bridgetown R, BRB		
	9VG 61	Singapore R, SNG		
4379.1		coast stations, ch 408	SSB	QX 4084.7 kHz
	ELH	Harbel R, LBR		
	EQK	Khoramshahr R, IRN		
	HEB 14	Berne R, SUI		
	ICB	Genova R, I		
	KUQ	Pago Pago R, SMA		

4379.1	LPO 44	Puerto Deseado R, ARG		
	OSU 24	Oostende R, BEL		
	PJC	Willemstad R, Curacao, ATN		
	PKD	Surabaya R, INS		
	PKE	Amboina R, INS		
	P... ..	many R stations, B		
	PZN	Paramaribo R, SUR		
	SPD 21	Szczecin R, POL		
	XFC	Cozumel R, MEX		
	XFL	Mazatlan R, MEX		
	XF. .	many PEMEX R stations, MEX		
	YUR	Rijeka R, YUG		
	ZLW	Wellington R, NZL		
	ZXA 4	Tedut R, B		
	ZXF 3	Bavit R, B		
	ZZQ 8	Denor R, B		
4382.2		coast stations, ch 409	SSB	QSOX 4087.8 kHz
	A7D	Doha R, QAT		
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	DZI	Bacoar R, PHL		
	DZO	Bulacan R, PHL		
	HZG	Dammam R, ARS		
	ICB	Genova R, I		
	LGN 5	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PP.	many R stations, B		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	SAG	Goeteborg R, S		
	TAM 6	Antalya R, TUR		
	WBL	Buffalo R, NY, USA		
	WLC	Rogers City R, MI, USA		
	WMI	Lorain R, OH, USA		
	XSU	Yantai R, CHN		
	9GX	Tema R, GHA		
	9PA	Banana R, ZAI		
4385.3		coast stations, ch 410	SSB	QSOX 4090.9 kHz
	EQQ	Khark R, IRN		
	GKT 20	Portishead R, G		
	HAR	Budapest R, HNG		
	LPC 27	Ushuaia R, ARG		
	PCB 23	Scheveningen R, HOL		
	S7Q	Victoria R, Mahe, SEY		
	VAI	CCG Vancouver, BC, CAN		
	VRT	Hamilton R, BER		
	WOO	Ocean Gate R, NJ, USA		
	XSQ	Guangzhou R, CHN		
	YJM	Port-Vila R, Efate I., VUT		
	YSM	Rügen R, DDR		
	4XD	Haifa R, ISR		
	7TA 13	El Djaza'ir R, ALG		
	9HD	Valetta R, MLT		
4388.4		coast stations, ch 411	SSB	QSOX 4094.0 kHz
	EHY	Pozuelo del Rey R, E		
	EQO	Nowshahr R, IRN		
	FJY 4	Martin de Vivies R, AMS		
	LPM 51	Mar del Plata R, ARG		
	OSU 21	Oostende R, BEL		
	PKA	Sabang R, INS		
	PKG	Banjarmasin R, INS		
	S3D	Chittagong R, BGD		

4388.4	TAN 5	Zonguldak R, TUR		
	T3C	Takaronga R, T. Atoll, KIR		
	VPS	Victoria Island R, HKG		
	WOO	Ocean Gate R, NJ, USA		
	4PB	Colombo R, SLK		
		Funafuti Island R, TUV		
4390.0	FUD	FN Toulon, F	CW	
4391.5		coast stations, ch 412	SSB	QSX 4097.1 kHz
	DAK	Norddeich R, D		
	DYV	Iloilo R, PHL		
	OBG 3	Pisco R, PRU		
	OBQ 5	Iquitos R, PRU		
	OBT 2	Talara R, PRU		
	UFH	Petropavl.-Km. R, FE, URS		
	UGH 2	Juzno R, FE, URS		
	WOM	Pennsuco R, FL, USA		
	7OA	Aden R, YMS		
4394.6		coast stations, ch 413	SSB	QSX 4100.2 kHz
	A9M	Hamala R, BHR		
	CUL	Lisbon R, POR		
	DAH	Norddeich R, D		
	D3E	Luanda R, AGL		
	D4A	Mindelo R, S. Vicente, CPV		
	J5M	Bissau R, GNB		
	LPL 33	General Pacheco R, ARG		
	OHG 2	Helsinki R, FIN		
	PKT	Dili R, INS		
	SVN 2	Athens R, GRC		
	S3E	Khulna R, BGD		
	UBN	Zhdanov R, UK, URS		
	UJO 5	Izmail R, UK, URS		
	UKX	Nakhodka R, SE, URS		
	XFE	Ensenada R, MEX		
	XFF 3	PEMEX Minatitlan R, MEX		
	XFK 2	PEMEX La Paz R, MEX		
	XFP	Chetumal R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFU	Veracruz R, MEX		
	XVR 4	Vung Tau R, VTN		
	3AC 5	Monte Carlo R, MCO		
	7TA 14	El Djaza'ir R, ALG		
4397.7		coast stations, ch 414	SSB	QSX 4103.3 kHz
	DAJ	Norddeich R, D		
	OB. .	many R stations, PRU		
	OHG 2	Helsinki R, FIN		
	PKC	Palembang R, INS		
	PKF	Makassar R, INS		
	TFA	Reykjavik R, ISL		
	TFX	Siglufjoerdur R, ISL		
	URD	Leningrad R, RU, URS		
	WLO	Mobile R, AL, USA		
	ZHH	Jamestown R, SHN		
	5BA 24	Nicosia R, CYP		
	5ZF	Mombasa R, KEN		
4400.8		coast stations, ch 415	SSB	QSX 4106.4 kHz
	ASK	Karachi R, PAK		
	FUB	FN Paris, F		
	LGN 6	Rogaland R, NOR		
	LPG 44	Rio Gallegos R, ARG		
	OXZ	Lyngby R, DNK		
	SVN 2	Athens R, GRC		
	VIB	Brisbane R, QLD, AUS		

4400.8	VID	Darwin R, NT, AUS		
	VIP	Perth R, WA, AUS		
	VBL 2	SHELL Bdr. Seri B. R, BRU		
	XSV	Tianjin R, CHN		
	XVR 4	Vung Tau R, VTN		
	5RL	Antseranana R, MDG		
	9MG 8	Georgetown R, Pin. I., MLA		
		Maintirano R, MDG		
		Mananjary R, MDG		
4403.9		coast stations, ch 416	SSB	QX 4109.5 kHz
	EQI	Abbas R, IRN		
	FFL 22	Saint Lys R, F		
	FJA	Papeete R, Tahiti, OCE		
	HAR	Budapest R, HNG		
	KMI	Dixon R, CA, USA		
	QBB 4	Ilo R, PRU		
	QBY 2	Paita R, PRU		
	QBY 3	Chimbote R, PRU		
	PP.	many R stations, B		
	S3D	Chittagong R, BGD		
	S3E	Khulna R, BGD		
	S9M	Sao Tome R, STP		
	TFA	Reykjavik R, ISL		
	TFX	Siglufjoerdur R, ISL		
	W00	Ocean Gate R, NJ, USA		
	3BB	Port Louis Harbour R, MAU		
	6YI	Kingston R, JMC		
4407.0		coast stations, ch 417	SSB	QX 4112.6 kHz
	KMI	Dixon R, CA, USA		
	QHG 2	Helsinki R, FNL		
	QMC	Bratislava R, TCH		
	QMK	Komarno R, TCH		
	QML	Decin R, TCH		
	QSU 27	Oostende R, BEL		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	TAN	Istanbul R, TUR		
	UFM 3	Nevelsk R, FE, URS		
	VIM	Melbourne R, VIC, AUS		
	VIS	Sydney R, NSW, AUS		
	VPS	Victoria Island R, HKB		
	WOM	Pennsuco R, FL, USA		
	YUW	Bar R, YUG		
	9MG 8	Georgetown R, Pin. I., MLA		
4410.1		coast stations, ch 418	SSB	QX 4115.7 kHz
	CFW	Vancouver R, BC, CAN		
	CLA 60	Habana R, CUB		
	DZJ	Bulacan R, PHL		
	DZZ	Manila R, PHL		
	D4D	Praia R, Santiago, CPV		
	J2A	Jibuti R, DJI		
	LGN 7	Rogaland R, NOR		
	LPM 44	Mar del Plata R, ARG		
	OXZ	Lyngby R, DNK		
	PK. .	many R stations, INS		
	P.. ...	many R stations, B		
	SAG	Goeteborg R, S		
	SUH	Alexandria R, EGY		
	VCS	CCG Halifax, NS, CAN		
	WBL	Buffalo R, NY, USA		
	W6K	St. Louis R, MO, USA		
	WLC	Rogers City R, MI, USA		

4410.1	WMI	Lorain R, OH, USA		
	Z..	many R stations, B		
	4XO	Haifa R, ISR		
4413.2		coast stations, ch 419	SSB	Qsx 4118.8 kHz
	ASK	Karachi R, PAK		
	CB./..	many DGTMM R stations, CHL		
	DZS 4	Manila R, PHL		
	FFL 24	Saint Lys R, F		
	FUB	FN Paris, F		
	HLS	Soul R, KOR		
	OMP	Prague R, TCH		
	PCB 22	Scheveningen R, HOL		
	PP.	many R stations, B		
	TFA	Reykjavik R, ISL		
	TUA	Abidjan R, CTI		
	UDK 2	Murmansk R, RU, URS		
	VIA	Adelaide R, SA, AUS		
	VID	Darwin R, NT, AUS		
	VIT	Townsville R, QLD, AUS		
	WLO	Mobile R, AL, USA		
	YUR	Rijeka R, YUG		
	Y5M	Rügen R, DDR		
	5AT	Tripoli R, LBY		
	9KK 3	Safat R, KWT		
4416.3		coast stations, ch 420	SSB	Qsx 4121.9 kHz
	EQR	Lavan R, IRN		
	IAR	Rome R, I		
	JYO	Aqaba R, JOR		
	LGN 8	Rogaland R, NOR		
	LZW	Varna R, BUL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	TAM 4	Iskenderun R, TUR		
	TAN 6	Samsun R, TUR		
	YVG	La Guayra R, VEN		
	9MG 21	Georgetown R, Pin. I., MLA		
4419.4		coast stations, ch 421	SSB	Qsx 4125.0 kHz
		(worldwide calling frequency)		
4422.5		coast stations, ch 422	SSB	Qsx 4128.1 kHz
	CKN	CF Vancouver, BC, CAN		
	COB 32	Flota del Golfo F R, CUB		
	COB 41	Cienfuegos F R, CUB		
	HAR	Budapest R, HNG		
	HEB 34	Berne R, SUI		
	OHG 2	Helsinki R, FIN		
	OSU 22	Oostende R, BEL		
	PKO	Tarakan R, INS		
	PKR	Semarang R, INS		
	PKY 4	Sorong R, INS		
	URB 2	Klaipeda R, LI, URS		
	WOO	Ocean Gate R, NJ, USA		
	XSG	Shanghai R, CHN		
	ZMH ..	many Harbour R stns., NZL		
	5AB	Benghazi R, LBY		
4425.6		coast stations, ch 423	SSB	Qsx 4131.2 kHz
	ASK	Karachi R, PAK		
	A7D	Doha R, QAT		
	DAI	Norddeich R, D		
	IAR	Rome R, I		
	PK. ..	many R stations, INS		
	PPF	Fortaleza R, B		
	SPC 21	Gdynia R, POL		

4425.6	WOM	Pennsuco R, FL, USA		
	XSQ	Guangzhou R, CHN		
	4XO	Haifa R, ISR		
	50W	Lagos R, NIG		
4428.7		coast stations, ch 424	SSB	QSOX 4134.3 kHz
	DZV 7	Navotas R, PHL		
	EQG	Ghosbeh R, IRN		
	EQP	Golmankhaneh R, IRN		
	EQZ	IORC Abadan R, IRN		
	HEB 24	Berne R, SUI		
	HPP 20	Panama R, PNR		
	LGN 9	Rogaland R, NOR		
	LPB 5	Corrientes R, ARG		
	N..	many USCG stations		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	SVN 2	Athens R, GRC		
	VI.	many R stations, AUS		
	XSV	Tianjin R, CHN		
	7TA 15	El Djaza'ir R, ALG		
4431.8		coast stations, ch 425	SSB	QSOX 4137.4 kHz
	CB./..	many DGTMM R stations, CHL		
	HAR	Budapest R, HNG		
	JBO	Tokyo R, J		
	JYO	Aqaba R, JOR		
	LGN 20	Rogaland R, NOR		
	OSU 23	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	PY. 2.	many late Clube R stns., B		
	SVN 2	Athens R, GRC		
	S9M	Sao Tome R, STP		
	5AT	Tripoli R, LBY		
	9KK 32	Safat R, KWT		
	9MB 21	Georgetown R, Pin. I., MLA		
4434.9		coast stations, ch 426	SSB	QSOX 4140.5 kHz
	CUB	Funchal R, MDR		
	CUG	Ponta Delgada R, AZR		
	EQG	Ghosbeh R, IRN		
	EQP	Golmankhaneh R, IRN		
	OKV 26	Portishead R, G		
	JBO	Tokyo R, J		
	J5M	Bissau R, GNB		
	LGN 21	Rogaland R, NOR		
	LPZ 28	Trelew R, ARG		
	ODR 5	Beirut R, LBN		
	OXZ	Lyngby R, DNK		
	5BA 26	Nicosia R, CYP		
	7TA 16	El Djaza'ir R, ALG		

4438.0 - 4650.0

Regions 1 + 2 = FIXED + MOBILE except aeronautical mobile (R)
Region 3 = FIXED + MOBILE except aeronautical mobile

4440.0	MKD	RAF Akrotiri, CYP	VFT: 0320 ryi
4441.0		Potsdam Meteo, DDR	100 Bd: 0730+2213 wx
4442.5	RGC 72	Kiyev Meteo, UK, URS	24 h ry or wx
4445.0	ROF 73	Novosib. Met., SW, URS	FAX \$
4447.5	'U'	Beacon Murmansk, RU, URS	CW
4455.0	RDM 73	Tbilisi Meteo, GE, URS	0330+0340+0358 wx
4465.0		RFE Holzkirchen feeder, D	ISB
4467.5	FDI 8	FAF Nice, F	CW
4471.0		Castres Gendarmerie, F	0810 msg

4471.0		Novosib. Met., SW, URS	(sp 4475.0 kHz)
4474.0	ZEK 7	REUTER	FAX 60/288 LSB 1SD: 0506+
		Victoria Island, HKG	0534+1037+2300 pix
			CW
4475.0	0.. .	many PELPER/R stns., PRU	SSB
		Novosib. Met., SW, URS	FAX \$
4479.0	OUJ 22	DA Aarhus, DNK	0811 ry
		Novosib. Met., SW, URS	(sp 4475.0 kHz)
4480.0	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW
4482.0	BJZ 25	Wuhan Meteo, CHN	1428+1808-2215 ry or wx
4487.5	TNL	ASECNA Brazzaville, COG	0412 ry
			ARQ 96 Bd: A: 0422 "ch" (FOG)
			B: 0117+0418 wx with WMO head-
			ings, 0120 "ch" without circuit
			identification
4489.0	GFL 26	Bracknell Meteo, G	24 h ry or wx
4497.0	SOE 349	Warsaw Meteo, POL	24 h ry or wx
4500.0	GXQ	BA London, G	VFT: 0338 ryi
			VFT: ARQ 96 Bd: A: 0339 wx,
			2100 encrypted tfc, 2112 wx
			B: 2100 encrypted tfc
			COMB
		R Moscow feeder, RU, URS	SSB
4502.0	FVC 20	Orleans Gendarmerie, F	SSB
	FVC 25	Montargis Gendarmerie, F	SSB
	FVC 27	Pithiviers Gendarmerie, F	SSB
4502.5	FVV 47	Gap Gendarmerie, F	75 Bd: 0750 msgs + tfc to FVV 46
4503.5	FVC 20	Orleans Gendarmerie, F	0845 msg to FVC 25/27
	FVC 25	Montargis Gendarm., F	0840 msg to FVC 20
4504.0	FVV 47	Gap Gendarmerie, F	SSB
4510.0	9GC	Accra Air, GHA	0018 ry
4511.0	KLI	Ngenfuss Copyright, D	1987 ry
4512.5	ETD 3	Addis Ababa Air, ETH	1332 msg
4515.0	FIT 75	Paris Prefecture, F	SITOR-A: 0830-1910 msgs
4516.6	ONY 27	NATO Rouveroy, BEL	0619 foxes
4516.7	RXB 72	Khab. Meteo, SE, URS	FAX \$
4518.0	FDY	FAF Orleans, F	CW
4521.8		Polish E Stockholm, S	75 Bd: 1610 msg (5fgs) + msg to
			SNN 299
4525.0	RPN 75	Kiyev Meteo, UK, URS	FAX 60/576: 0430 chart Ukrai-
			nia
	Y3S	Nauen TS, DDR	CW
	SST 28	Antananarivo Meteo, MDG	1430 wx
4526.0	SUU	Cairo Meteo, EGY	FAX \$
4530.0	RGJ 62	Kuybishev Meteo,	0225 wx
		SW, URS	FAX // 3710.0 kHz
4534.5		ABK Oilfield, UAE	SITOR-B: 0230+0243 msg (geolo-
			gical report) to Abu Dhabi
4535.0	TZH	ASECNA Bamako, MLI	ARQ 96 Bd: A: 1816 msg
			B: 1820 "ch" (BVA)
4545.0	RLA 56	PTT Moscow, RU, URS	0630 clg DLW 5
4549.5	LRO 9	DyN Buenos Aires, ARG	75 Bd: 0000+0200+2200+2300 S
			nx
4550.0	RWW 79	Moscow Meteo, RU, URS	FAX 120/576: 0255 ASXX RUMS
			Eurasia
4559.5	FDY	FAF Orleans, F	CW
4560.0	RKR 74	Irkutsk Meteo, SE, URS	2022-0111 ry or wx
4562.2	YMH 5	Bandirma Meteo, TUR	0400+1000+1546-0501 ry or wx
4562.5	JWT	NN Stavanger, NOR	CW
4562.6	FDG 21	FAF Cognac, F	CW
4565.0		RFE Holzkirchen feeder, D	1SB
4570.0	HZN 46	Jeddah Meteo, ARS	100 Bd: 0437+1938+2036+2321 wx

FREQUENCY LIST 53

4570.5	DHJ 51	Grengel Meteo, D	FAX // 2342.5 kHz \$
4575.0	RUJ 79	Kuybishev M., RU, URS	FAX // 2720.0 kHz
4583.0	DDK 2	Hamburg Meteo, D	24 h ry or wx
4590.3		Husky Oilfield,	SITOR-A: 0543-0640 tfc + msgs,
		NFLD, CAN	s. off
4597.0	ONY 27	NATO Rouveroy, BEL	2046 foxes
4605.7	'RFGW'	MFA Paris, F	ARQ-E 86 Bd: 0633 msg
4607.0	'96 OQZ'	SN Tarifa, E	75 Bd: 0430-1930 ry, msg (wx)
			to '97 OMR'
4610.0	GFA 22	Bracknell Meteo, G	FAX // 3289.5 kHz \$
	SXH	GN Khania, GRC	CW
4613.0	FDC	FAF Metz-Frescaty, F	CW
4615.3	IDR 2	IN Rome, I	CW
4620.0	MKK	RAF London, G	VFT: 0333 ryi
4623.0	NGR	USN Kato Soli, GRC	CW
4632.0	XTU	ASECNA Ouagadougou, BFA	ARQ 96 Bd: B: 2145 msg (VBA)
4632.5	DEB	INTERPOL Wiesbaden, D	SITOR-A: 0800+1345+1526+1627+
			2315 tfc
	F8B 53	INTERPOL Paris, F	SITOR-A: 0822+1337+1512+1840
			tfc
	GMP	INTERPOL London, G	SITOR-A: 0824+1613+1835 msg +
			tfc
	HEP 46	INTERPOL Zürich, SUI	SITOR-A: 0817+0930+1508 msg +
			tfc
	IUV 81	INTERPOL Rome, I	SITOR-A: 2316 tfc
	ONA 20	INTERPOL Brussels, BEL	SITOR-A: 1345+1524 msg + tfc
	PDB 2	INTERPOL Utrecht, HOL	SITOR-A: 0745 msg + tfc
4633.5	SPW	Warsaw R, POL	CW
4640.0	FDY	FAF Orleans, F	CW

4650.0 - 4700.0

AERONAUTICAL MOBILE (R)

4651.0		AMS = 1D 6C 6G 10B 10E 13E	SSB
		13F	
4654.0		AMS = W I/II	SSB
4657.0		AMS = AFI CEP,	SSB
		2A 2C 3B 6A 6E 13H	
4660.0		AMS = 2B 2C 9B 10C 13D 13M	SSB
4663.0		AMS = 6G 10F 13E 13F 13K,	SSB
		VNCA	
4666.0		AMS = CWP, 1C 10B 10D 10E	SSB
4669.0		AMS = MID SAM, 6G 10C 10D	SSB
4672.0		AMS = 2A 2B 3A 4A 6G 11B	SSB
		13K	
4675.0		AMS = NAT, 6A 6E 9C 13G	SSB
4678.0		AMS = NCA, 10D 13I 14A 14G	SSB
4681.0		AMS = 2B 2C 3B 10B 12E	SSB
4684.0		AMS = 3A 3C 10E 13J 14B 14C	SSB
4687.0		AMS = W I/II/III	SSB
4690.0		AMS = 2A 2B 3A 6G 10B 13M	SSB
	SUC	Cairo Air, EGY	1947-0559 ry or msg (ESA)
4693.0		AMS = 2B 2C 3 10B 12C 13I	SSB
		14D	
4696.0		AMS = 2 6G 9 10 13J	SSB

4700.0 - 4750.0

AERONAUTICAL MOBILE (OR)

4704.0	ADK	SN/USN Rota, E	FAX // 4053.5 kHz \$
4722.0	MVU	RAF London, G	SSB
4725.0	AIC	USAF Clark AFB, Luzon, PHL	SSB

4730.0	GFW	RAF Akrotiri, CYP	SSB
4731.0	MKL	RAF Edinburgh, G	CW
4742.0	MQP	RAF Upavon, G	SSB
4746.0	CUM	PAF/USAF Lajes AFB, AZR	SSB

4750.0 - 4850.0

Region 1 = AERONAUTICAL MOBILE (OR) +
BROADCASTING + FIXED + LAND MOBILE
Region 2 = BROADCASTING + FIXED +
MOBILE except aeronautical mobile (R)
Region 3 = BROADCASTING + FIXED + Land Mobile

4764.3	CCS	CN Santiago, CHL	0008 ry, 0105+0606 msgs CW
4766.0	CCS	CN Santiago, CHL	FAX \$
4767.0	'P'	Beacon Kaliningrad, RU, URS	CW
4777.5	FDY	FAF Orleans, F	CW
	IMB 51	Rome Meteo, I	FAX \$
4782.0	GFE 21	Bracknell Meteo, G	FAX // 2618.5 kHz \$
		Ambatondrazaka, MDG	CW
4783.0	FDI	FAF Aix, F	CW
4785.5	DHJ 51	Grengel Meteo, D	24 h ry or wx 100 Bd: 0727 wx, 1950 ry
4787.0	TJK	ASECNA Douala, CME	ARQ 96 Bd: A: 2220 msgs B: 2223 wx with WMO headings
4794.3	BLM 66	Chengdu Meteo, CHN	1832-2140 wx
4804.0	ISZ 48	ANSA Rome, I	0800 E nx, 0900 F nx, 1000 E nx, 1600 F nx
4810.5		Nürnberg, D	ARQ-E 48 Bd: 1535 encrypted msgs
4811.0	ONY 22	NATO Rheindahlen, D	SSB
4813.0	LZA 8	Sofia Meteo, BUL	24 h ry or wx
4818.0	FIT 37	Tours Prefecture, F	SITOR-A: 0858+0918 msg
4825.0	OLW 5	PTT Prague, TCH	2050 ry
4835.0	RWV 50	PTT Moscow, RU, URS	0226+2053 clg OLW 5
4837.5	DEB	INTERPOL Wiesbaden, D	SITOR-A: 0809 msgs
	FSB	INTERPOL Paris, F	SITOR-A: 0630-1703 msgs SITOR-B: 0656-1550 ry or msg or ttc
	HEP 47	INTERPOL Zürich, SUI	SITOR-A: 1348 ttc
	LJP	INTERPOL Oslo, NOR	SITOR-A: 0857 msgs + ttc
	ONA 20	INTERPOL Brussels, BEL	SITOR-A: 1040 msgs + ttc
	PDB 2	INTERPOL Utrecht, HOL	SITOR-A: 0812+1609 msg + ttc
4840.0	Y7A 24	MFA Berlin, DDR	100 Bd: 0522-1431 ry or ttc CW

4850.0 - 4995.0

BROADCASTING + FIXED + LAND MOBILE

4850.0	IEA 20	IA Rome, I	SSB
	IEA 41	IA Udine, I	SSB
	RKS 71	Murmansk Met., RU, URS	FAX 60/576: 0150 chart
4855.0	NPM	USN Pearl Harbour, HWA	FAX // 2122.0 kHz \$
4856.0	L0L	AN Buenos Aires TS, ARG	CW
4863.5	KRH 51	USE London, G	75 Bd: 24 h foxes
4868.0		ENPA Valencia R, E	SSB
4880.0	Y7A 25	MFA Berlin, DDR	100 Bd: 2208 ry
4886.0	KKN 44	USE Monrovia, LBR	CW
4891.0	FIT 89	Auxerre Prefecture, F	SITOR-A: 1243+1815 msg
4892.5	GYU	RN Gibraltar, GIB	2042 ry
4900.0	RUU 78	Leningrad Meteo, RU, URS	0602-1625 ry or wx
4903.0	DHM 44	Grengel Meteo, D	0438-2306 wx
4904.1	ONY 27	NATO Rouveroy, BEL	0520 foxes

4905.0	BSB 52	Lanzhou Meteo, CHN	0030+0540+0956+2211 ry or wx
4910.0	KWS 78	USE Athens, GRC	CW
4914.5	FDB 2	FAF Mont-de-Marsan, F	CW
4921.5	LJP	INTERPOL Oslo, NOR	(sp 4837.5 kHz)
4923.0	GXQ	RAF London, G	VFT: 0028+0321 ry1
			COMB
4945.0	FIT 94	Creteil Prefecture, F	SITOR-A: 1053+1125 msg to Nan- terre
4950.0	SWA	Athens Air, GRC	1631-0606 ry or msgs (BEC)
4957.5	FDY	FAF Orleans, F	CW
4962.5	NGR	USN Kato Soli, GRC	VFT: 0532 E nx
4963.5	DHN 37	Grengel Meteo, D	24 h ry or wx
			100 Bd: 0721 wx
4965.0	FIT 75	Paris Prefecture, F	SITOR-A: 1343 msg
4993.5	ATA 55	Delhi Meteo, IND	FAX \$

4995.0 - 5003.0

STANDARD FREQUENCY AND TIME SIGNAL

4996.0	RWM	Moscow TS, RU, URS	CW
5000.0	ATA	Delhi TS, IND	SSB
	BPM	Xi'an TS, CHN	CW/SSB
	BSF	Taipei TS, TAI	CW/SSB
	HD 210A	Guayaquil TS, EQA	CW/SSB
	HLA	Taejon TS, KOR	COMB
	IAM	Rome TS, I	SSB
	IBF	Torino TS, I	SSB
	JJY	Tokyo TS, J	COMB
	LOL 1	AN Buenos Aires TS, ARG	CW/SSB
	RCH	Tashkent TS, UZ, URS	CW
	WWV	Fort Collins TS, CO, USA	COMB
	WWVH	Kihei TS, Maui Island, HWA	COMB
	ZUO	Pretoria TS, AFS	SSB

5003.0 - 5005.0

STANDARD FREQUENCY AND TIME SIGNAL + Space Research

5004.0	RID	Irkutsk TS, SE, URS	CW
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5005.0 - 5060.0

BROADCASTING + FIXED

5013.0	'RBSL'	IN Bombay, IND	1525-0228 ry
5020.0	RWW 74	Moscow Meteo, RU, URS	24 h ry or wx
5022.0	DHL 28	LKA Bremen, D	ARQ-E 72 Bd: 0759+1335+1448 en- cryptd tfc
5023.0	9KT 24	KUNA Safat, KWT	1000-1900 E nx
5025.0	MKD	RAF Akrotiri, CYP	VFT: 2116-0541 ry1
			COMB
5027.0	9KT 24	KUNA Safat, KWT	0700-2000 A nx
5035.0	IRC 20	ANSA Rome, I	1500 E nx, 1600 F nx
5037.5	KVM 70	Honolulu Meteo, HWA	FAX \$
5043.5	ONY 27	NATO Rouveroy, BEL	1148+1943 foxes
5055.0	JYF 6	PETRA Amman, JOR	1400+1500 A nx, 1700-1900 E nx
5057.5	CUW 20	Lajes Air, AZR	0012 ry, 1945 foxes

5060.0 - 5250.0

FIXED + Mobile except aeronautical mobile

5061.5	'RFFH'	FF Marseille, F	ARQ-E 96 Bd: 0848 encrypted tfc + msg after "KKKK..." to 'RFFX' (IMK)
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5066.2	ZVK	TASA Rio de Janeiro, B	2140-0520 ry or msgs
5068.0		SABS Riyadh feeder, ARS	SSB
5072.5	'RFFEC'	FF Bordeaux, F	ARQ-E 96 Bd: 1827 msg to 'RFFC' (IBA)
5075.0	IUV 31	Rome Police, I	CW
5075.9	GFL 26	Bracknell Meteo, G	(sp 4489.0 kHz)
5078.1	ONY 27	NATO Rouveroy, BEL	0740 foxes
5082.9	'RIFAGB'	IA Miselmeri, I	2203 msgs to 'RIFAG'
5085.0	FIT 75	Paris Prefecture, F	CW
5087.5	FDY	FAF Orleans, F	CW
5088.0	DHM 91	GAF Münster, D	SSB
5090.0	RBX 74	Tashkent Met., UZ, URS	FAX // 3280.0 kHz \$
5092.5	FDY	FAF Orleans, F	0658+1652 ry
	LZJ 2	Sofia Meteo, BUL	FAX \$
	'RFFA'	MOD Paris, F	SITOR-A: 0055 msg, 0106 encrypted tfc after "KKKK..."
5097.0	CFH	CF Halifax, NS, CAN	CW
5098.5	'RFTJ'	FF Dakar, SEN	ARQ 96 Bd: A: 0225 "controle de cle" to 'RFFA', 2305 "controle de voie" to 'RFFA' (DRI, SGI)
			B: 2242-0245 msgs or encrypted tfc after "KKKK..." to 'RFFA' (DRI)
5100.0	AXM 32	Canberra M., ACT, AUS	FAX \$
5102.0	GXQ	BA London, G	VFT: ARQ 96 Bd: A: 0108 wx, 0850 encrypted tfc
			COMB
5104.0	FSB	INTERPOL Paris, F	SITOR-A: 1259+1437+1750 msg
5107.0	EPD	Tehran Air, IRN	1536-0445 ry or msgs (TKA)
5110.0	RYP 29	Khab. Meteo, SE, URS	FAX // 3250.0 kHz
5112.0	40C 3	TANJUG Belgrade, YUG	75 Bd: 0200+0700+0900+1100+1200+1300+1400+1500+1600+1700+1800
			SC nx
5117.0	STK	Khartoum Air, SDN	1721-0333 ry or msgs (STA)
	3MA 29	CNA Taipei, TAI	FAX 60/288 LSB ISD: 0201-1126
			C nx (text)
5120.0	MKD	RAF Akrotiri, CYP	VFT: 0203 ryi
			COMB
5125.0		RFE Holzkirchen feeder, D	ISB
5127.0	LZQ 35	Sofia, BUL	1709 msg (5lgs) + final tfc to RCE 52, s. off
5128.0	RIW	SN Khiva, UZ, URS	CW
5134.1	ONY 27	NATO Rouveroy, BEL	0612 foxes
5135.0	DFE 24	DW Cologne feeder, D	SSB
	Y7K 21	MFA Berlin, DDR	1435+2132 ry
5140.0	RWW 73	Moscow Meteo, RU, URS	24 h ry or wx
	9WE 752	Tawau, Sabah, MLA	SSB
5143.7	JXZ	NATO Kolsaas, NOR	0403+1724 foxes without ID
5145.0	FIT 75	Paris Prefecture, F	SITOR-A: 1037 msg to FIT 57
5150.0	RVD 73	Moscow Meteo, RU, URS	FAX // 53.6 kHz \$
5160.0	CLN 21	PTT Habana, CUB	ARQ 96 Bd: A: 0223+0407 to Mia-mi (CUN)
			B: 0200 to Miami
			0613-2307 ry or tfc + msgs
5167.0	NRK	IFG Rome, I	CW
5180.5	BAA 9	USN Keflavik, ISL	1427-2004 wx, 2110 ry
5184.0	FDY	FAF Orleans, F	CW
5185.0	LRO 69	Buenos Aires Met., ARG	FAX \$
5187.2	ETD 3	Addis Ababa Air, ETH	0019+0319 ry, 1017 msgs
5190.0	BZC 75	Urumqi Meteo, URG	1617+1649+2130-0222 ry or wx
5192.5	'RFFF'	FF Lyon, F	ARQ-E 92 Bd: 1753 msgs to 'RFFDC' (ILG)

5195.0	DZE 25 Y2V 53	DW Cologne feeder, D ADN Berlin, DDR	SSB 1500+1600+1700+1800+1900+2000+ 2100+2200 E nx 1155+1712 foxes without ID (sp 9430.0 kHz) 0346 msgs (PEA) VFT: 0112+0142+0535+2120 E nx SITOR-A: 1400 msgs + tfc SITOR-A: 1714 msgs SITOR-A: 1615 tfc SITOR-A: 0953+1437+1612 msg + tfc SITOR-A: 1417 tfc + msg SITOR-A: 1728 msg + tfc SITOR-A: 1303+1412+1450 tfc + msgs SITOR-A: 1518 tfc + msg SITOR-A: 0751-1747 msgs FAX // 4475.0 kHz \$ CW 75 Bd: 0742+0755 ry SSB 0600+1400+1600+1700+1800+1900+ 2000+2100 A nx ARQ 96 Bd: A: 0620 "ch"; 2100 "ch", msg (UNA) B: 0618 wx with WMO headings SSB ARQ-E 96 Bd: 0735+1035 msg to 'RFFH' (IGA) COMB VFT: 0844 E nx 0000+0100+0200+1700+1800+2000+ 2100+2300 E nx ARQ-E 86 Bd: 1722 msg
5198.5	JXZ	NATO Kolsaas, NOR	
5202.7	ZAT	ATA Tirana, ALB	
5204.0		Prokop'yevsk Air, SW, URS	
5206.0	NGR	USN Kato Soli, GRC	
5208.0	DEB	INTERPOL Wiesbaden, D	
	EEQ	INTERPOL Madrid, E	
	FSB	INTERPOL Paris, F	
	GMP	INTERPOL London, G	
	HEP 52	INTERPOL Zürich, SUI	
	OEQ 36	INTERPOL Vienna, AUT	
	ONA 20	INTERPOL Brussels, BEL	
	PDB 2	INTERPOL Utrecht, HOL	
5210.0	FIT 75	Paris Prefecture, F	
	ROF 75	Novosib. Met., SW, URS	
5214.5	FDY	FAF Orleans, F	
5217.0	FUD	FN Toulon, F	
5217.7	AJE	USAF Wolvey, G	
5220.0	SUA 94	MENA Cairo, EGY	
5222.3	TYE	ASECNA Cotonou, BEN	
5224.0	AJE 'RFFH'	USAF Wolvey, G FF Marseille, F	
5229.0	GYU	RN Gibraltar, GIB	
5229.5	AJE	USAF Wolvey, G	
5240.0	40C 2	TANJUG Belgrade, YUG	
5245.0	OER 70	Innsbruck Gendarm., AUT	
<u>5250.0 - 5450.0</u> <u>FIXED + MOBILE except aeronautical mobile</u>			
5273.0	'93 WPR'	SN Huelva, E	75 Bd: 0838 clg + tfc
5275.0	SUA 211	MENA Cairo, EGY	1700 E/F nx, 1900+2000 F nx, 2100 E nx, 2200 E/F nx SSB FAX 60/576: 0020+0420 chart FAX // 3280.0 kHz \$ SSB 0815 msgs 1930+2130 wx ISB COMB 1645 msg FAX 120/576: 1530 ASCH AAEF 0000, ASCH AAEF 1200; 2130 ASCH AAEF 1800 CW CW SITOR-A: 0402+0752-1427 tfc CW SITOR-A: 0750 msgs + tfc CW CW
5280.0	DZE 28	DW Cologne feeder, D	
	RKR 76	Irkutsk Meteo, SE, URS	
5285.0	RBX 71	Tashkent Met., UZ, URS	
5287.0	MKA	RAF London, G	
5289.0	EHM	Guardia Cv. Zaragoza, E	
5290.0	ARA	Karachi Meteo, PAK	
5295.0		RFE Holzkirchen feeder, D	
5297.0	COP	Iright Klingenfuss, FRG	
5300.0	IER 20	IFG Rome, I	
5302.5	CAN 6D	Presidente Eduardo Frei Montalva Meteo, CHL	
	FIT 75	Paris Prefecture, F	
5305.5	FSB	INTERPOL Paris, F	
	HEP 53	INTERPOL Zürich, SUI	
5306.0	'C'	Beacon Moscow, RU, URS	
5307.0	'D'	Beacon Odessa, UK, URS	
5308.0	'O'	Beacon Moscow, RU, URS	

5312.0	'DFZB'	MFA Belgrade, YUG	75 Bd: 0530 ry, anns msgs, encrypted msg after "XYXYXY..."; 0630 ry, anns msgs, encrypted msg after "MRMRMR..."
5315.0	BJZ 27	Wuhan Meteo, CHN	1149-0057 ry or wx
5316.0	'RFFH'	FF Marseille, F	ARQ-E 96 Bd: 1005 msg to 'RFBXX' (IGA)
5320.0	EHG	Guardia Civil Sevilla, E	SSB
5321.5	EHG	Guardia Civil Sevilla, E	1728 msgs, s. off
5322.0	RCV	SN Moscow, RU, URS	CW
5322.5	MKK	RAF London, G	VFT: 1002 ryi
5325.0	RND 79	Moscow Meteo, RU, URS	FAX 60/576: 1655 chart Black Sea area
5327.0	JXZ	NATO Kolsaas, NOR	0658-2331 foxes without ID
5333.5	'DJR'	Jibuti Air, DJI	0356+1431+1850+2138 clg ETD 3
5335.0	RDM 78	Tbilisi Meteo, GE, URS	1440-0434 wx
	RDF 76	Novosib. Met., SW, URS	FAX // 4475.0 kHz \$
5343.5	9DM 9	Tehran Meteo, IRN	1654-0358 ry or wx
5345.0	RSW 71	Arkhangelsk Met., RU, URS	1426-0346 R ry wtsca or wx wla
5355.0	RND 77	Moscow Meteo, RU, URS	FAX // 2815.0 kHz \$
5357.0	'RFFF'	FF Lyon, F	ARQ-E 96 Bd: 1200 msg to 'RFFG' (IIVV)
5360.0	DFE 36	DW Cologne feeder, D	SSB
	RVO 71	PTT Moscow, RU, URS	0558 ry
	Y7K 22	MFA Berlin, DDR	CW
5361.0	DHJ 59	GN Wilhelmshaven, D	1519+2245 ry or tfc
5370.0	FDY	FAF Orleans, F	CW
5370.5	AJE	USAF Wolvey, G	0403+1005 ry
5373.3	AJE	USAF Wolvey, G	SSB
5376.3	AJE	USAF Wolvey, G	SSB
			VFT: 0120+0835 E nx
5376.8	AJE	USAF Wolvey, G	VFT: 75 Bd: 0121+0836 wx
5380.0	FIT 75	Paris Prefecture, F	SSB
5385.0	HWN	FN Paris, F	CW
5387.0	JXZ	NATO Kolsaas, NOR	CW
5393.5	ELRB	Monrovia Air, LBR	24 h foxes without ID
5396.6	'RFFA'	MOD Paris, F	2126-0412 ry or msgs (LOA)
			ARQ 96 Bd: A: 1640-0110 msgs or wx or encrypted tfc after "KKKK..." to 'RFQP' (FDXA, PGA)
			B: 1639-0402 msgs or wx or "revue de la presse quotidienne" (F nx) or encrypted tfc after "KKKK..." to 'RFQP' (PGA, PQB)
5398.0	RIW	SN Khiva, UZ, URS	CW
5400.0	GZU	RN Petersfield, G	CW
	YOB 37	Bucharest Meteo, ROU	0606 ry, 0716+0928+1006 wx
5404.0	'RFBX'	FF Baden-Baden, D	ARQ-E 96 Bd: 1112+2034 msg to 'RFFA' (IHA)
5405.0	JMJ 2	Tokyo Meteo, J	FAX // 3365.0 kHz \$
	MKK	RAF London, G	VFT: 0040+0111+0714 ryi
5420.0	RDN 20	Kuybishev Meteo, RU, URS	COMB
5422.5	GYA	RN London, G	FAX 90/576: 0355+0420 chart Russia
5424.0	6VU	ASECNA Dakar, SEN	75 Bd: 1441 clg MTT
			ARQ 96 Bd: A: 0710+1928 msgs (DKA, MKB)
			B: 0110+0320 wx with WMO headings (MKB)
5426.0	KRH 50	USE London, G	CW
5426.5	LBA 6	NN Stavanger, NOR	CW
5427.5	LBA 6	NN Stavanger, NOR	SSB

5430.0	RVM 45	Tashkent Meteo, UZ, URS	1441+1558+1849-0453 wx
	'RETJ'	SN Madrid, E	75 Bd: 0927 ry, tfc to 'RPFN'
5433.0		Polish E Vienna, AUT	75 Bd: 1407 msg (5fgr) to
			SNN 299
5439.0	'RFBX'	FF Baden-Baden, D	ARQ-E 96 Bd: 1157 msg to 'RFFH'
			(IHA)
5442.5	70C	Khormaksar Air, YMS	2108-0856 ry
5443.0	KWL 90	USE Manila, PHL	CW
5445.4	CSZ	Lisbon Air, POR	VFT: 1754+2250-0823 msg (LMC)
5448.0	FDY	FAF Orleans, F	CW

5450.0 - 5480.0

Region 1 = AERONAUTICAL MOBILE (OR) + FIXED + LAND MOBILE
Region 2 = AERONAUTICAL MOBILE (R)
Region 3 = AERONAUTICAL MOBILE (OR) + FIXED + LAND MOBILE

5450.0	40D	TANJUG Belgrade, YUG	75 Bd: 2000 SC nx
5451.0		AMS = 10F 11B 12F 12H 13I 13J	SSB
5452.0	HZN	Jeddah Meteo, ARS	FAX #
5454.0		AMS = 10 12E 13F 13J	SSB
5455.0	LZF 9	Sofia Meteo, BUL	0601+0637+1348-1721 wx
	'RFFJ'	FF Cherbourg, F	ARQ-E 72 Bd: 1228 msg to 'RFFB'
			(ICX)
5457.0		AMS = 10C 13N	SSB
5458.9	4WM	TAG Ma'rib, YEM	SSB
	4WR	GTZ San'a, YEM	SSB
	4WT	GTZ Ta'izz, YEM	SSB
5460.0		AMS = 10B 10E 12C 13D	SSB
		VoA Tanger, MRC	75 Bd: 0000+0100 E nx, 0200 A nx, 0400+2100+2200+2300 E nx
5463.0		AMS = 11B 13H 13K 13M	SSB
5466.0		AMS = 10B 13I	SSB
5469.0		AMS = 11B 13G	SSB
5470.0	RKC 29	TASS Moscow, RU, URS	0430+0500 E nx
5472.0		AMS = 10A 10D 13H	SSB
5474.0	CSY	Santa Maria Air, AZR	0600 ry, 2120 msg (MSA)
5475.0		AMS = 10A 10D 12E 12F 13G	SSB
5477.1	HGX 21	MFA Budapest, HNG	1635 ry, into FEC

5480.0 - 5680.0

AERONAUTICAL MOBILE (R)

5481.0		AMS = 2A 2C 4B 6G 7D 9C 10C 10E 12E 12J 13E 13F 13K 14D 14G	SSB
5484.0		AMS = 1B 3A 3C 6A 9B 10A 10D 12C 12G 13H	SSB
5487.0		AMS = 2C 6G 10C 12E	SSB
5490.0		AMS = 2A 2B 3A 6D 10A 10D 12C 13C	SSB
5493.0		AMS = AFI, 3B 6G	SSB
5496.0		AMS = 2A 2B 3A 6F 10A 10D 12C 12J 13I	SSB
5499.0		AMS = 3B 6G, VAFI	SSB
5502.0		AMS = 2A 2B 3A 6B 10C 12C 13M	SSB
5505.0		AMS = 3B 6G	SSB
5508.0		AMS = 2B 2C 6F 7 9B 11B 12F 13N	SSB
5511.0		AMS = 3A 5B 6G	SSB
5514.0		AMS = 2C 3B 3C 6E 11B 13C	SSB

5517.0		AMS = 3A 6G	SSB
5520.0		AMS = CAR, 2B 2C 3B 6D 7E	SSB
5523.0		AMS = 2A 6G 9B 11B 12G 13I	SSB
5526.0		AMS = 8AM, 2B 2C 3B 5D 6E 10F 14	SSB
5527.0	BAF 6	Beijing Meteo, CHN	FAX *
5529.0		AMS = W I/II	SSB
5532.0		AMS = W I/V	SSB
5535.0		AMS = W I/IV	SSB
5538.0		AMS = W II/V	SSB
5541.0		AMS = W I/IV	SSB
5544.0		AMS = W II/V	SSB
	CAK	Santiago Air, CHL	0010 msg (SIA)
5547.0		AMS = CEP, 2A 4A 6G 7F 13H 13K	SSB
5550.0		AMS = CAR, 2B 2C 3B 5D 6C 6E 14G	SSB
5553.0		AMS = 6G 10B 13C	SSB
5556.0		AMS = 2 3 12F	SSB
5559.0		AMS = 8P, 2A 4A 6G 10E 12G 13J	SSB
	SUU	Cairo Meteo, EGY	1806-0543 wx
5562.0		AMS = 2C 3B 3C 10C 12D 13D	SSB
5565.0		AMS = SAT, 6G 9B 10A	SSB
5568.0		AMS = 1B 3A 3C 5B 6D 7F 10B 12 13J	SSB
5570.0		Tindouf, ALG	SSB
5571.0		AMS = 6G 11B 13C	SSB
5574.0		AMS = CEP, 2B 2C 4B 6D 13G	SSB
5577.0		AMS = 1C 5A 6G 7B 10E 13C 13J 13K	SSB
5580.0		AMS = 3A 3B 6A 6C 14G, VCAR	SSB
5583.0		AMS = 1E 5A 5C 6G 7B 9 10B 12E 12F 12H 13E 13F	SSB
5586.0		AMS = 2C 3C 10D	SSB
5589.0		AMS = 12C, VMID	SSB
5592.0		AMS = 6G 7C 9D, VNAT	SSB
5595.0		AMS = 1C 2B 6B 10C 12E	SSB
5598.0		AMS = NAT, 6G	SSB
5601.0		AMS = 3A 3B 6A, VSAM	SSB
5604.0		AMS = 2A 2C 4B 6G 10 12A 12E 12F 13E 13F 13K 14	SSB
5607.0		AMS = 2B	SSB
5610.0		AMS = 6G	SSB
5612.0	SUC	Cairo Air, EGY	1621-2130 ry or msg (EWA)
5613.0		AMS = 2B 12C	SSB
5616.0		AMS = NAT, 6G	SSB
5619.0		AMS = 2B 12J	SSB
5622.0		AMS = 1D 6G	SSB
5625.0		AMS = 3A 5B 6B 10D	SSB
5626.5	FDY	FAF Orleans, F	CW
5628.0		AMS = NP, 1D 6G	SSB
5631.0		AMS = 6D 10A	SSB
5634.0		AMS = 1NO, 6G	SSB
5637.0		AMS = 1D 3C	SSB
5640.0		AMS = 6G, VEUR	SSB
5643.0		AMS = 8P, 3C	SSB
5644.0	SAF	Tripoli Air, LBY	(hx 2822.0 kHz)
5646.0		AMS = NCA, 12G	SSB
5649.0		AMS = NAT SEA	SSB
5652.0		AMS = AFI CWP	SSB
5655.0		AMS = EA SEA	SSB

5658.0	AMS = AFI MID	SSB
5661.0	AMS = CWP EUR	SSB
5664.0	AMS = NCA	SSB
5667.0	AMS = MID	SSB
5670.0	AMS = EA	SSB
5673.0	AMS = VSEA	SSB
5676.0	AMS = VNCA	SSB

5680.0 - 5730.0 AERONAUTICAL MOBILE (OR)

5680.0	worldwide	calling/distress/safety fq.	CW/SSB
5684.0	CFH	CF Halifax, NS, CAN	SSB
	6VU	ASECNA Dakar, SEN	0544 ry
5685.0	ILC	IAF Ancona, I	SSB
	ILT	IAF Latina, I	SSB
	MKH	RAF Doncaster, G	SSB
5690.0	DHM 95	RCAF Lahr, D	SSB
5696.0	N..	many USCG stations	SSB

5730.0 - 5950.0

Region 1 = FIXED + LAND MOBILE

Region 2 = FIXED + MOBILE except aeronautical mobile (R)

Region 3 = FIXED + Mobile except aeronautical mobile (R)

5730.5	SUA	ASECNA Niamey, NGR	ARQ 96 Bd: B: 0446 msg's (NOB)
5731.0	YRR 4	Bucharest Meteo, ROU	0410-2223 ry or wx
5733.0	HZJ	Jeddah Air, ARS	1722-0307 msg (JSA)
5735.0		Khar'kov, UK, URS	0510 msg's
5738.0	ONY 27	NATO Rouveroy, BEL	CW
	9GC	Accra Air, GHA	0547 ry
5740.0	HZN	Jeddah Meteo, ARS	1635-0435 ry or wx
	'RFFC'	FF Lille, F	ARQ-E 96 Bd: 1347+1400 msg's to 'RFFEC' (IAA)
5745.0		VoA Greenvl. fdr., NC, USA	ISB
5746.5	AOK	SN/USN Rota, E	75 Bd: 0520 foxes without ID
5748.0	AWB	Bombay Air, IND	2141 ry
5755.0	AXI 32	Darwin Meteo, NT, AUS	FAX \$
5757.0	HBD 20	MFA Berne, SUI	SITOR-A: 0756-1724 tfc + msg
	HBD ..	Swiss E Paris, F	SITOR-A: 0940+1423 msg to HBD 20
5760.0	QVG 5	DM Frederikshavn, DNK	CW
5765.0	RYD 79	Novosib. Met., SW, URS	FAX // 4445.0 kHz \$
5777.8	'RIFAQE'	IA Como, I	0722 msg
5779.0	FVA 80	Rosny sur Bois Gendarm., F	CW
5781.5	EHO 5	Guardia Civil Gerona, E	1743 msg + tfc
5783.0	STY	ASECNA Nouakchott, MTN	ARQ 96 Bd: A: 0500+2200 "ch" without AFTN heading
5785.0	NGR	USN Kato Soli, GRC	B: 2200 msg (KDA)
5786.0	FIT 11	Carcassonne Prefect., F	FAX // 4053.5 kHz \$
5786.6	'RIFAWC'	IA Ariano Irpino, I	SITOR-A: 0759-1710 msg's
5788.6	MKK	RAF London, G	1020 msg's to 'RIFAW'
			VFT: ARQ 96 Bd: A: 0826 encrypted tfc
			B: 0427 encrypted tfc
5790.0		RFE Holzkirchen feeder, D	ISB
5796.7	HGX 21	MFA Budapest, HNG	0735+0740 ry
5800.0	SOF 280	PAP Warsaw, POL	1700 E nx
5803.5	9GC	Accra Air, GHA	2005-0512 ry
5807.0	ZKLF	Auckland Meteo, NZL	FAX \$
5807.5	XTU	ASECNA Ouagadougou, BFA	CW
			ARQ 96 Bd: B: 1721 msg, 2220 "ch" (ONA)

5808.5	JXZ	NATO Kolsaas, NOR	1123 foxes without ID
5810.0	IPR 34	Genova Police, I	SITOR-A: 0912 tfc
5815.0	RVD 72	R Moscow feeder, RU, URS	SSB
5818.0	'RFFG'	FF Strasbourg, F	ARQ-E 72 Bd: 1011 msg to 'RFFC' (IVW)
5826.2	OER 60	Salzburg Gendarm., AUT	ARQ-E 86 Bd: 1128 tfc to OER 70
5830.0	RWD 52	TASS Moscow, RU, URS	1600+1800+2000 E nx
5832.4	DDG 71	München Meteo, D	0803-0820 tfc to DDG 72 - DDG 76
	DDG 73	Augsburg Meteo, D	0804 tfc + wx to DDG 71
	DDG 74	Konstanz Meteo, D	0806 tfc + wx to DDG 71
	DDG 75	Freiburg Meteo, D	0807 tfc + wx to DDG 71
	DDG 76	Stuttgart Meteo, D	0808 tfc + wx to DDG 71
	DDG 77	Regensburg Meteo, D	0816 tfc + wx to DDG 71
5832.6	'RFQP'	FF Jibuti, DJI	ARQ 96 Bd: A: 1737-0425 msg or encrypted tfc after "KKKK..." or "contrôle de voie" or svc msg to 'RFFA' (FKOA, QPB)
			B: 1935-0240 msg or "contrôle de voie" or svc msg to 'RFFA' (QPA, QPB)
			CW
5834.5	FDI	FAF Aix, F	FAX \$
5837.0	OCB 30	Lima Meteo, PRU	0100+1700+1900+2000+2100+2300 A nx
5839.6	FTF 84B.H1	AFP Paris, F	0000+0400+1700+1900+2000+2100+2200+2300 F nx
5841.0	FTF 84B.H3	AFP Paris, F	0050 wx
5844.0	BLM 21	Chengdu Meteo, CHN	1987 nx
5847.0	KLI 74	Ngenfuss Copyright, D	ARQ-E 96 Bd: 0920 msg to 'RFFA' (IXV)
5847.5	'RFFG'	FF Strasbourg, F	1736-0617 ry or msg
5848.0	TUH	ASECNA Abidjan, CTI	FAX \$
5850.0	OXT	Copenhagen Meteo, DNK	2200+2300 S nx
5859.0	Y2V 3	ADN Berlin, DDR	1715 msg
5861.5	EHG	Guardia Civil Sevilla, E	CW
5862.0	'P'	Beacon Kaliningrad, RU, URS	1300+1600+1700+2100 A nx
5867.0	YIL 68	INA Baghdad, IRQ	SSB
5868.0	DPE 86	DW Cologne feeder, D	CW
	FDY	FAF Orleans, F	100 Bd: 1305+1410 msg (5lgs) to SNN 299
		Polish E Bonn, D	0226+1718+2043 ry
5875.0	70C	Khormaksar Air, YMS	75 Bd: 2338 clg '111C', 2345 ry
	'RIFMCF'	IN Rome, I	ARQ 96 Bd: A: 0655 encrypted tfc after "KKKK..." to 'RFLI'
5878.0	'RFFA'	MOD Paris, F	B: 1136 msg to 'RFLI' (ILA)
5879.0	70C	Khormaksar Air, YMS	1713+2346 ry
5880.0	RTQ 74	APN Moscow, RU, URS	FAX 60/288: 2038-0045 pix
5881.0	RMP	SN Kaliningrad, RU, URS	CW
5882.8	YRR 3	Bucharest Meteo, ROU	CW
5887.5	IMB 2	Rome Meteo, I	24 h ry or wx
5890.0	REV 78	Tashkent Met., UZ, URS	FAX // 3690.0 kHz \$
5900.0	5AF	Tripoli Air, LBY	(hx 2950.0 kHz)
5909.0	BMB	Taipei Meteo, TAI	CW
5911.5	EHG 6	Guardia Civil Palencia, E	1538 msg
5918.5	AOK	SN/USN Rota, E	CW
5923.0	SNN 299	MFA Warsaw, POL	75 Bd: 0553 ry, 0737+0823+1712 msg
5925.0	FDY	FAF Orleans, F	CW
5930.0	GXQ	BA London, G	0750 ryi
5942.0	FUG	FN La Regine, F	75 Bd: 1803 clg EBA

5950.0 - 6200.0

BROADCASTING

6100.0 YVTO Caracas TS, VEN CW/SSB

6200.0 - 6525.0

MARITIME MOBILE

6200.0		ship stations, ch 601	SSB	QSY 6506.4 kHz
	DVR 9	Navotas R, PHL		
	DZO 7	Malabon R, PHL		
	DZR 2	Navotas R, PHL		
6203.1		ship stations, ch 602	SSB	QSY 6509.5 kHz
	DVP 7	Navotas R, PHL		
	DXE 7	Cotabato R, PHL		
	DYC 7	Bacolod R, PHL		
6204.0		Libreville Port R, GAB	SSB	
6206.2		ship stations, ch 603	SSB	QSY 6512.6 kHz
		DDSB Vienna R, AUT		
6209.0		Sverdlovsk Air, SW, URS	1354-0522 R msgs wtsca	
6209.3		ship stations, ch 604	SSB	QSY 6515.7 kHz
	D.. .	many R stations, PHL		
6210.0		Leningrad Meteo, RU, URS	FAX 90/576: 1405 chart North Sea - Baltic Sea area	
6210.4	DYX 6	Bacolod R, PHL	SSB	
	DZV 7	Navotas R, PHL	SSB	
		Port of Spain R, TRD	SSB	
6212.4		ship stations, ch 605	SSB	QSY 6518.8 kHz
	WBG	St. Louis R, MO, USA		
6213.5	D.. .	many R stations, PHL	SSB	
6215.5		ship stations, ch 606	SSB	QSY 6521.9 kHz
		(worldwide calling frequency)		
		supplementary worldwide		
		distress and calling freq.		
6218.6	worldwide	coast and ship stations	SSB	
		simplex frequency		
	CB../..	many DGTMM R stations, CHL		
	COB 36	Flota Cubana F R, CUB		
	CW . . .	many UN stations, URG		
	DZW	Manila R, PHL		
	D3E	Luanda R, AGL		
	HAR 6	Budapest R, HNG		
	KUG	Pago Pago R, SMA		
	L..	many R stations, ARG		
	OAL 8	PELPER Intuto R, PRU		
	OAM 8	PELPER Sargentu Ls. R, PRU		
	OAN 8	PELPER Trompeteros R, PRU		
	OSU 33	Oostende R, BEL		
	PCG 35	Scheveningen R, HOL		
	PK. ..	many R stations, INS		
	PQP ..	SUDEPE Brasilia R, B		
	YJM	Port-Vila R, Efate I., VUT		
	ZLD	Auckland R, NZL		
	9MG 29	Georgetown R, Pin. I., MLA		
		Antillana Salvage R, CUB		
6221.6	worldwide	coast and ship stations	SSB	
		simplex frequency		
	CW. ..	many UN stations, URG		
	C2N	Makwa R, NRU		
	C6L 8	Morton R, BAH		
	DZJ	Bulacan R, PHL		
	HAR 6	Budapest R, HNG		
	H4H 6	Honiara R, SLM		

6221.6	OAD 8	CONACHA Pucallpa R, PRU	
	OAP 8	CONACHA Iquitos R, PRU	
	OCJ 2	CPV Callao R, PRU	
	OSU 34	Oostende R, BEL	
	PCB 36	Scheveningen R, HOL	
	P.. ..	many R stations, INS	
	9WH 20	Kota Kinabalu R, Sabah, MLA	
	9WW 20	Kuching R, Sarawak, MLA	
6251.0	'98 OQJ'	SN Madrid, E	75 Bds 24 h clg '95 XRA'
6256.5		ship stations, series 1	QSOX 6494.5 kHz
6257.0		ship stations, series 2	QSOX 6495.0 kHz
6257.5		ship stations, series 3	QSOX 6495.5 kHz
6258.0		ship stations, series 4	QSOX 6496.0 kHz
6258.5		ship stations, series 5	QSOX 6496.5 kHz
6259.0		ship stations, series 6	QSOX 6497.0 kHz
6259.5		ship stations, series 7	QSOX 6497.5 kHz
6260.0		ship stations, series 8	QSOX 6498.0 kHz
6260.5		ship stations, series 9	QSOX 6498.5 kHz
6261.0		ship stations, series 10	QSOX 6499.0 kHz
6261.5		ship stations, series 11	QSOX 6499.5 kHz
6262.0		ship stations, series 12	QSOX 6500.0 kHz
6262.5		ship stations, series 13	QSOX 6500.5 kHz
6263.0		ship stations, series 14	QSOX 6501.0 kHz
6263.5		ship stations, series 15	QSOX 6501.5 kHz
6264.0		ship stations, series 16	QSOX 6502.0 kHz
6264.5		ship stations, series 17	QSOX 6502.5 kHz
6265.0		ship stations, series 18	QSOX 6503.0 kHz
	TYA	Cotonou R, BEN	CW
6265.5		ship stations, series 19	QSOX 6503.5 kHz
6266.0		ship stations, series 20	QSOX 6504.0 kHz
6266.5		ship stations, series 21	QSOX 6504.5 kHz
6267.0		ship stations, series 22	QSOX 6505.0 kHz
6267.5		ship stations, series 23	QSOX 6505.5 kHz
6268.0		ship stations, non-paired	
	worldwide	NBDPT distr. and safety f.	
		ship stations	QSOX 6402.0 kHz (GKS 3)
6268.5		ship stations, non-paired	
6269.0		ship stations, non-paired	
6269.5		ship stations, non-paired	
		ship stations	QSOX 6460.0 kHz (SAB 33)
6270.3		ship stations calling, ch 1	CW
6270.9		ship stations calling, ch 2	CW
6271.5		ship stations calling, ch 3	CW
6272.1		ship stations calling, ch 4	CW
6272.7		ship stations calling, ch 5	CW
6273.3		ship stations calling, ch 6	CW
6273.9		ship stations calling, ch 7	CW
6274.5		ship stations calling, ch 8	CW
6275.1		ship stations calling, ch 9	CW
6275.7		ship stations calling, ch 10	CW
6276.0	'94 PLL'	SN Cartagena, E	75 Bds 24 h ry or msg (wx)
6276.3		ship stations calling, ch 11	CW
6276.9		ship stations calling, ch 12	CW
6277.5		ship stations calling, ch 13	CW
6278.1		ship stations calling, ch 14	CW
6278.7		ship stations calling, ch 15	CW
6279.3		ship stations calling, ch 16	CW
6279.9		ship stations calling, ch 17	CW
6280.5		ship stations calling, ch 18	CW
6281.5	worldwide	ship stations DSC freq.	
6282.0	worldwide	DSC distress and safety f.	
6310.5	ZAS	Sarande R, ALB	CW

6325.5	DZJ 7	Makati R, PHL	CW	
6326.5	DZJ	Bulacan R, PHL	CW	
	PKN	Balikpapan R, INS	CW	
	PKR	Semarang R, INS	CW	
	PKY 5	Merauke R, INS	CW	
	WNU	Slidell R, LA, USA	CW	
6328.3	OST 32	Oostende R, BEL	CW	
6329.5	DZH 2	Manila R, PHL	CW	
6330.0	CFH	CF Halifax, NS, CAN	75 Bd: 1844-0824 ry or wx	
			FAX // 122.5 kHz \$	
	EDF 2	Aranjuez R, E	CW	
	FJP 6	Noumea R, NCL	CW	
	YIR	Basrah Control R, IRQ	CW	
6331.0	CTH 47	PN Horta, AZR	CW	
6331.5	UMV	Murmansk R, RU, URS	CW	
6332.0	S9M	Sao Tome R, STP	CW	
6332.5	DVM 4	Manila R, PHL	CW	
	DVZ 9	Navotas R, PHL	CW	
	DXD 9	Davao R, PHL	CW	
6333.5	VII	Port Kennedy R, T. I., AUS	CW	
	VIM	Melbourne R, VIC, AUS	CW	
	VIR	Rockhampton R, QLD, AUS	CW	
	WCC	Chatham R, MA, USA	CW	
	XSZ	Dalian R, CHN	CW	
6334.5	UFM 3	Nevelsk R, FE, URS	CW	
6335.5	DZI	Bacoar R, PHL	CW	
	OA. 6	PELPER Iquitos R, PRU	CW	
	OCP 2	PELPER Saramuro R, PRU	CW	
	VFA	CCG Inuvik, NWT, CAN	CW	
	VFF	CCG Frobisher B., NWT, CAN	CW	
6336.0	LZW 3	Varna R, BUL	CW	
6336.7	ZRH	SAN Capetown, AFS	CW	
6337.0	CBV	DGTMMA Valparaiso R, CHL	CW	
	CLA 5	Habana R, CUB	CW	
	EDG 2	Aranjuez R, E	CW	
	PK.	many R stations, INS	CW	
	WCC	Chatham R, MA, USA	CW	
6338.5	DYM	Cebu R, PHL	CW	
	KLC	Galveston R, TX, USA	CW	
	ZRQ 3	SAN Capetown, AFS	CW	
6340.0	XSD 4	Zhoushan R, CHN	CW	
6340.5	ETC	Assab R, ETH	CW	
	9VG 9	Singapore R, SNG	CW	
6341.5	DYE 9	Cebu R, PHL	CW	
	UDH	Riga R, LA, URS	1011+1109+1341+1945 ry or R tts	
			wtscs	
	UFB	Odessa R, UK, URS	CW	
6342.0	GKK 3	Portishead R, G	CW	
	LZL 3	Bourgas R, BUL	CW	
6343.0	YSM	Rügen R, DDR	CW	
6344.0	HLF	Soul R, KOR	CW	
	SVB 3	Athens R, GRC	CW	
	TFA	Reykjavik R, ISL	CW	
	YJM 6	Port-Vila R, Efate I., VUT	CW	
6344.5	DZE 4	Malabon R, PHL	CW	
6345.0	UCY 2	Astrakhan' R, RU, URS	CW	
	UFB	Odessa R, UK, URS	2100 R tts wtscs	
			CW	
6348.0	HWN	FN Paris, F	CW	
	J2A 6	Jibuti R, DJI	CW	
	KFS	San Francisco R, CA, USA	CW	
	SRS	Toamasina R, MDG	CW	

6350.0	XFK	La Paz R, MEX	CW
	6YX	JCG Kingston, JMC	CW
6351.0	QBF 4	Mollendo R, PRU	CW
6351.5	P2M	Port Moresby R, PNG	CW
	P2R	Rabaul R, PNG	CW
	VFC	CCG Cambridge B., NWT, CAN	CW
	VIB	Brisbane R, QLD, AUS	CW
	WMH	Baltimore R, MD, USA	CW
	YVG	La Guayra R, VEN	CW
	3BM 3	Port Louis R, MAU	CW
6352.0	FUG	FN La Regine, F	CW
	RCV	SN Moscow, RU, URS	CW
6353.0	UFB	Odessa R, UK, URS	2305 R tts wtsca
			CW
	YKI	SCOTC Tartus R, SYR	CW
6354.0	URD	Leningrad R, RU, URS	CW
	XFM	Manzanillo R, MEX	CW
6355.0	EQL	Anzali R, IRN	CW
	EQO	Nowshahr R, IRN	CW
	EQP	Golmankhaneh R, IRN	CW
	OFJ 6	Helsinki R, FIN	CW
	PK. .	many R stations, INS	CW
	PZN 2	Paramaribo R, SUR	CW
	UBN	Zhdanov R, UK, URS	0825 R ry, 0827+0842 R tts wtsca
6355.5	OAA 6	PELPER Iquitos R, PRU	CW
6357.0	DUF	Manila R, PHL	CW
	'9B OQJ'	SN Madrid, E	75 Bd: 24 h ry
6358.0	XFN	Progreso R, MEX	CW
6358.5	PBC 36	DN Goeree Island, HOL	75 Bd: 24 h ry
	YSM	Rügen R, DDR	CW
6360.0	CLS	Habana F R, CUB	CW
	QBC 3	Callao R, PRU	CW
	SXE	HCG Elevisis, GRC	CW
	UHK	Batumi R, GE, URS	CW
	UJY	Kaliningrad R, RU, URS	2246 R ry wtsca
	XFQ	Salina Cruz R, MEX	CW
6360.5	NPN	USN Apra Harbour, GUM	FAX // 3379.5 kHz \$
6361.0	KUQ	Pago Pago R, SMA	CW
6362.0	EQ.	many R stations, IRN	CW
6363.0	DUS	Manila R, PHL	CW
6363.5	DAF	Norddeich R, D	CW
6364.5	HZG	Dammam R, ARS	CW
6365.0	IRM	CIRM Rome, I	CW
	UVD	Magadan R, FE, URS	CW
6365.5	KFS	San Francisco R, CA, USA	CW
	WPD	Tampa R, FL, USA	CW
6366.0	DUN	PN Manila, PHL	CW
6367.0	DFU	Veracruz R, MEX	CW
6368.5	UDH	Riga R, LA, URS	CW
6368.9	GKA 3	Portishead R, G	CW
6369.0	D3E 41	Luanda R, AGL	CW
	KLC	Galveston R, TX, USA	CW
	UQK	Riga R, LA, URS	CW
	XST	Qingdao R, CHN	CW
6370.0	AOK	SN/USN Rota, E	75 Bd: 1736 foxes without ID
	UBE 2	Petropavl.-Km. R, FE, URS	CW
	UEK	Feodosiya R, UK, URS	CW
	URD	Leningrad R, RU, URS	0712-0836 R tts wtsca
	VAP	CCG Churchill, MAN, CAN	CW
	XSD	Yingkou R, CHN	CW
	XSH	Basuo R, CHN	CW

6371.2	GYU	RN Gibraltar, GIB	CW	
6372.0	CBV	DGTHMM Valparaiso R, CHL	CW	
	DUM	Manila R, PHL	CW	
6372.5	SAG 3	Goeteborg R, S	CW	
6374.0	TBO 3	TN Izmir, TUR	CW	
6375.0	HAR	Budapest R, HNG	CW	
	PW.	many BN stations, B	CW	
	UGH 2	Juzno R, FE, URS	CW	
6376.0	CW./..	many UN stations, URG	CW	
	C6N	Nassau R, BAH	CW	
	SPE 32	Szczecin R, POL	CW	
	WCC	Chatham R, MA, USA	CW	
6377.5	'9B OQJ'	SN Madrid, E	75 Bds 1115+1721 ry	
6379.0	4XZ	IN Haifa, ISR	CW	
6379.5	CBV	DGTHMM Valparaiso R, CHL	CW	
	GKB 3	Portishead R, G	CW	
	XSK	Beihai R, CHN	CW	
	ZSC 21	Capetown R, AFS	CW	
	8PD	Bridgetown R, BRB	CW	
6380.0	UQB	Kholmak R, FE, URS	CW	
6381.0	9KK 4	Safat R, KWT	CW	
6382.0	TBA 6	TN Ankara, TUR	CW	
6382.2	EAD 2	Aranjuez R, E	CW	
6383.0	NMC	USCG San Franc., CA, USA	CW	
	SPH 31	Gdynia R, POL	CW	
	TYA	Cotonou R, BEN	CW	
	XSN	Ningbo R, CHN	CW	
	3XC 2	Conakry R, GUI	CW	
	3XO 27	Kamsar R, GUI	CW	
	6VA 4	Dakar R, SEN	CW	
6384.0	DZY 7	Manila R, PHL	CW	
6385.0	UFL	Vladivostok R, SE, URS	CW	
6386.5	HKC	Buenaventura R, CLM	CW	
	J..	many R stations, J	CW	
	UJO 5	Izmail R, UK, URS	CW	
	ZSJ 3	SAN Capetown, AFS	CW	
6387.0	HZG	Dammam R, ARS	CW	
6388.0	EBA	SN Madrid, E	75 Bds 1000+1700 ry, msg (navigational warnings); 1828 msg (navigational warnings)	
	FUF	FN Fort de France, MRT	CW	
	VWA 1	Ramagar Port R, IND	CW	
6389.0	CTP	NATO Lisbon, POR	CW	
6389.7	WNU	Slidell R, LA, USA	CW	
6390.0	AQP 4	PN Karachi, PAK	CW	
	DZB 7	Malabon R, PHL	CW	
	HAR	Budapest R, HNG	CW	
	IDQ	IN Rome, I	CW	
	JYO	Aqaba R, JOR	CW	
	RME 23	R Moscow feeder, RU, URS	ISB	
	UPB	Provideniya R, FE, URS	CW	
	XFC	Cozumel R, MEX	CW	
	XFE	Ensenada R, MEX	CW	
	XSQ	Guangzhou R, CHN	CW	
	ZPK	Asuncion R, PRG	CW	
6391.5	OSN 46	BN Oostende, BEL	CW	
6392.0	CLS	Habana F R, CUB	CW	
		Prague Meteo, TCH	0715 wx	
6393.0	CBV	DGTHMM Valparaiso R, CHL	CW	
	DZW	Manila R, PHL	CW	
6393.5	CUG 33	Ponta Delgada R, AZR	CW	

6393.5	CUL 6	Lisbon R, POR	CW
	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	UDK 2	Murmansk R, RU, URS	CW
	ZLB 3	Awarua R, NZL	CW
6395.0	TBA 3	TN Ankara, TUR	CW
6395.9	GKN 3	Portishead R, G	CW
6396.6	'RFFA'	MOD Paris, F	switching error; ZAN 5396.6 kHz! ARQ 96 Bd; A: 1935 msgs to 'RFQP' (PQA) B: 1937 "controle de voie" to 'RFQP' (PQB)
6397.0	GKM 3	Portishead R, G	CW
	ZPK	Asuncion R, PRG	CW
6398.0	SPH 32	Gdynia R, POL	CW
6400.0	UMV	Murmansk R, RU, URS	CW
	UDN	Baku R, AZ, URS	CW
6400.5	EDZ 2	Aranjuez R, E	CW
	TCR	TURBAN Istanbul R, TUR	CW
	XSR	Haikou R, CHN	CW
6402.0	DVY 2	Manila R, PHL	CW
	DZE	Mandaluyong R, PHL	CW
	GKS 3	Portishead R, G	scheduled
6403.0	CLJ	Habana R, CUB	CW
6404.0	PCH 30	Scheveningen R, HOL	CW
6405.0	DZD 3	Manila R, PHL	CW
	LZW 3	Varna R, BUL	CW
	UAH	Tallinn R, ES, URS	CW
	UFH	Petropavl.-Km. R, FE, URS	CW
6406.0	COP	Yright Klengenfuss, D	CW
6407.5	CBV	DGTMM Valparaiso R, CHL	CW
	GKC 3	Portishead R, G	CW
	VI./.	many R stations, AUS	CW
	XSL	Fuzhou R, CHN	CW
6408.0	DZA	Mandaluyong R, PHL	CW
6408.5	EBA	SN Madrid, E	CW
6409.5	IAR 6	Rome R, I	CW
6410.7	KLB	Seattle R, WA, USA	CW
6411.0	DZF	Bacoar R, PHL	CW
	KLB	Seattle R, WA, USA	CW
	OST 3	Oostende R, BEL	CW
	SVD 3	Athens R, GRC	CW
	50W 6	Lagos R, NIG	CW
	9LL	Freetown R, SRL	CW
6412.0	9VG 55	Singapore R, SNG	CW
6413.7	GYC 3	RN London, G	CW
6414.5	ASK	Karachi R, PAK	CW
	CBV	DGTMM Valparaiso R, CHL	CW
	GYA	RN London, G	75 Bd; 0743+1342+1626+1738 test
	XFA	Acapulco R, MEX	CW
	XSG	Shanghai R/TS, CHN	CW
6415.0	SXA 35	GN Piraeus, GRC	CW
	7TA 4	El Djaza'ir R, ALG	CW
6416.0	UJQ 7	Kiyev R, UK, URS	CW
6417.0	DZP	Novaliches R, PHL	CW
	UKX	Nakhodka R, SE, URS	CW
6418.0	CCS	CN Santiago, CHL	FAX // 4766.0 kHz \$
	IAR 26	Rome R, I	CW
	IQX	Trieste R, I	CW
	VTP 5	IN Vishakhapatnam, IND	CW
6418.5	WKM	West Haven R, CT, USA	CW

6419.5	CCS	CN Santiago, CHL	CW	
6419.9	PWZ	BN Rio de Janeiro, B	0257 s. on with ry	
6420.0	PWZ	BN Rio de Janeiro, B	CW	
	UAD 2	Kholm'sk R, FE, URS	CW	
	UBN 3	Severo-Kuril'sk R, FE, URS	CW	
	UJQ	Kiyev R, UK, URS	CW	
6421.5	FFL 3	Saint Lys R, F	CW	
6423.0	LZL 3	Bourgas R, BUL	CW	
	ZSC 47	Capetown R, AFS	CW	
6423.5	HPP	Panama R, PNR	CW	
6424.0	9GA	Takoradi R, GHA	CW	
6425.0	EQM	Bushire R, IRN	CW	
	EQN	Khomeini R, IRN	CW	
	EQQ	Khark R, IRN	CW	
	ICB	Genova R, I	CW	
	SUP	Port Said R, EGY	CW	
	URD	Leningrad R, RU, URS	CW	
6427.0	UNM 2	Klaipeda R, LI, URS	CW	
6428.0	CBV	DGTHMM Valparaíso R, CHL	CW	
6428.5	6KD 3	Portishead R, G	CW	
	PKE 5	Ternate R, INS	CW	
	PKM	Bitung R, INS	CW	
	VIX 3	RAN Canberra, ACT, AUS	CW	
	XSU	Yantai R, CHN	CW	
	Y5M	Rügen R, DDR	CW	
6429.0	DZD	Antipolo R, PHL	CW	
6430.0	CFH	CF Halifax, NS, CAN	CW	
	UKA	Vladivostok R, SE, URS	CW	
	4X0	Haifa R, ISR	CW	
6430.4	5RS	Toamasina R, MDG	CW	
6432.0	DZZ	Manila R, PHL	CW	
	LBU	Rogaland R, NOR	CW	
6434.0	ZAD 2	Durres R, ALB	CW	
	ZAS	Sarande R, ALB	CW	
6434.8	GYA	RN London, G	75 Bd: 24 h test	
			CW	
6435.0	DZO	Bulacan R, PHL	CW	
	PWZ	BN Rio de Janeiro, B	CW	
	XFB	Ciudad del Carmen R, MEX	CW	
	XFY	Guaymas R, MEX	CW	
6435.5	CWA	Cerrito R, URG	CW	
	DAN	Norddeich R, D	CW	
	XSI	Sanya R, CHN	CW	
	XSK 4	Haimen R, CHN	CW	
	ZLP 3	RNZN Waiouru, NZL	CW	
6436.0	QBY 2	Paia R, PRU	CW	
6436.6	GYD 3	RN London, G	FAX // 2813.6 kHz \$	
			CW	
6438.0	VFR	CCG Resolute, NWT, CAN	CW	
6439.0	OXZ 31	Lyngby R, DNK	CW	
	UKK 3	Nakhodka R, SE, URS	CW	
	UNM 2	Klaipeda R, LI, URS	0910 R tts wtsca	
	XFP	Chetumal R, MEX	CW	
6440.0	OMC	Bratislava R, TCH	CW	
	OMK	Komarno R, TCH	CW	
	OMP 3	Prague R, TCH	CW	
6442.0	XSE	Qinhuangdao R, CHN	CW	
6442.5	XJZ	NATO Kolsaas, NOR	1111 foxes without ID	
	XF. .	many PEMEX R stations, MEX	CW	
6444.0	DZK	Bulacan R, PHL	CW	
6444.5	SVF 3	Athens R, GRC	CW	
6445.0	ROT	SN Moscow, RU, URS	1840 s. on with R tts wtsca	
			CW	

6445.0	UFL	Vladivostok R, SE, URS	CW	
6446.0	MTD	RN Rosyth, G	CW	
	WLO	Mobile R, AL, USA	CW	
6446.5	WLO	Mobile R, AL, USA	CW	
6446.8	OXZ 3	Lyngby R, DNK	CW	
6447.0	DVM 2	Makati R, PHL	CW	
	UFB	Odessa R, UK, URS	CW	
	'98 OQJ'	SN Madrid, E	75	Bd: 0338+0612+1750 wx
6448.0	LZW 3	Varna R, BUL	CW	
6449.5	XSD	Wenzhou R, CHN	CW	
	YSM	Rügen R, DDR	CW	
6450.0	URD	Leningrad R, RU, URS	CW	
6451.0	HLG	Soul R, KOR	CW	
6451.5	SAB 3	Goeteborg R, S	CW	
6452.0	XSG	Shanghai R, CHN	CW	
6453.0	PW.	many BN stations, B	CW	
6454.0	CLA 4	Habana R, CUB	CW	
	XSG 24	Shanghai R, CHN	CW	
6455.0	UDK 2	Murmansk R, RU, URS	CW	
6456.0	HCG	Guayaquil R, EQA	CW	
6456.5	DAL	Norddeich R, D	CW	
	PK. ..	many R stations, INS	CW	
6457.5	JOR	Nagasaki R, J	CW	
6458.0	XSM	Xiamen R, CHN	CW	
6459.0	SPE 31	Szczecin R, POL	CW	
6460.0	LSA 3	Boca R, ARG	CW	
	SAB 33	Goeteborg R, S	SITOR-A: 24 h tts; QSX 6269.5 kHz	
6461.0	XSQ	Guangzhou R, CHN	CW	
6462.0	DYV 9	Victorias R, PHL	CW	
	FUM	FN Papeete, Tahiti, OCE	CW	
6463.5	HKB	Barranquilla R, CLM	CW	
	VI./.	many R stations, AUS	CW	
	XSP	Shantou R, CHN	CW	
6465.0	IER 20	IFG Rome, I	0218+0606-2203 ttc or msg	
	PWL	BN Ladaric, B	CW	
	UJY	Kaliningrad R, RU, URS	CW	
6466.0	HZG	Dammam R, ARS	CW	
	YSM	Rügen R, DDR	CW	
6467.0	CBV	DGTMMM Valparaiso R, CHL	CW	
	JCS	Choshi R, J	CW	
	LFU	Rogaland R, NOR	CW	
	VTG 5	IN Bombay, IND	CW	
	ZSC 36	Capetown R, AFS	CW	
6468.0	DZN	Navotas R, PHL	CW	
6469.3	BKG 3	Portishead R, G	CW	
6470.0	JCX	Naha R, J	CW	
	UXN	Arkhangelsk R, RU, URS	CW	
6470.5	4XO	Haifa R, ISR	CW	
	6YI	Kingston R, JMC	CW	
	9MG 10	Georgetown R, Pin. I., MLA	CW	
	9YL	North Post R, TRD	CW	
6470.8	BKH 3	Portishead R, G	CW	
6472.3	BKI 3	Portishead R, G	CW	
6473.0	RND	SA/AAMC Moscow, RU, URS	2057 R tts wtsc	
6473.5	YQI 3	Constanta R, ROU	CW	
6474.0	DYV	Iloilo R, PHL	CW	
	OB. .	many R stations, PRU	CW	
	WKM	West Haven R, CT, USA	CW	
	XSJ	Zhanjiang R, CHN	CW	
6475.0	UNM 2	Klaipeda R, LI, URS	1115+1459 R tts wtsc	
			CW	

6475.5	DAM	Norddeich R/TS, D	CW	
6477.0	DZU	Pasig R, PHL	CW	
6477.5	6KJ 3	Portishead R, G	CW	
	KPH	San Francisco R, CA, USA	CW	
	UBN	Zhdanov R, UK, URS	CW	
	USF	Lianyungang R, CHN	CW	
6478.0	ZSC 34	Capetown R, AFS	CW	
6478.8	SVA 3	Athens R, GRC	CW	
6479.0	HPP	Panama R, PNR	CW	
	JYO	Aqaba R, JOR	CW	
6480.0	9GX	Tema R, GHA	CW	
6481.0	ZPK	Asuncion R, PRG	CW	
	9MB 3	MN Georgetown, Pg. I., MLA	CW	
6482.0	CLJ	Habana R, CUB	CW	
6483.0	PWZ	BN Rio de Janeiro, B	CW	
	UGB	Kholmak R, FE, URS	CW	
6484.0	LZL 3	Bourgas R, BUL	CW	
6484.5	WSC	Tuckerton R, NJ, USA	CW	
	XFL	Mazatlan R, MEX	CW	
	XSV	Tianjin R, CHN	CW	
6485.0	JCU	Choshi R, J	CW	
	UAH	Tallinn R, ES, URS	CW	
6486.0	DZH	Manila R, PHL	CW	
6487.5	VRT	Hamilton R, BER	CW	
6488.0	D4A 5	Mindelo R, S. Vicente, CPV	CW	
6489.0	DYD 2	Cebu R, PHL	CW	
	XSJ	Zhanjiang R, CHN	CW	
6490.0	FUE	FN Brest, F	75 Bd: 0758 c/g FAAC, 0800 encrypted t/c after "hotel alfa 0800z"	
6491.5	JOS	Nagasaki R, J	CW	
	PJC	Willemstad R, Curacao, ATN	CW	
	PK.	many R stations, INS	CW	
	TAH	Istanbul R, TUR	CW	
	VCS	CCG Halifax, NS, CAN	CW	
	9PA	Banana R, ZAI	CW	
6492.0	DZM	Bulacan R, PHL	CW	
6493.0	VAI	CCG Vancouver, BC, CAN	CW	
	YKM 5	SCOT Baniyas Port R, SYR	CW	
6493.5	URB 2	Klaipeda R, LI, URS	2310 R tts wtsca	
6494.5		coast stations, series 1	Q8X 6256.5 kHz	
	KFS	San Francisco R, CA, USA	scheduled	
	SAB 301	Boeteborg R, B	SITOR-A: 0304-2200 tts	
	YSM	Rügen R, DDR	SITOR-A: 0857 tts	
6495.0	9MG 14	Georgetown R, Pin. I., MLA	scheduled	
	CUL	coast stations, series 2	Q8X 6257.0 kHz	
	GKE 3	Lisbon R, POR	scheduled	
		Portishead R, G	SITOR-A: 24 h tts	
			SITOR-B: 0700+1900 t/c list	
	HPP	Panama R, PNR	CW	
	UNV	Murmansk R, RU, URS	scheduled	
	WNU	Slideil R, LA, USA	scheduled	
	ZLW	Wellington R, NZL	scheduled	
6495.5		coast stations, series 3	Q8X 6257.5 kHz	
	KFS	San Francisco R, CA, USA	scheduled	
	OBT 36	Oostende R, BEL	CW	
	UBN	Zhdanov R, UK, URS	SITOR-A: 1034+1734 tts	
			CW	

6495.5	UFL	Vladivostok R, SE, URS	scheduled
	XSV	Tianjin R, CHN	scheduled
6496.0		coast stations, series 4	QBX 6258.0 kHz
	DCN	Norddeich R, D	scheduled
	IAR	Rome R, I	scheduled
	NHN	USCG Portsmouth, VA, USA	scheduled
	NHO	USCG Honolulu, HMA	scheduled
	UBE 2	Petropavlovsk R, FE, URS	scheduled
	UDH	Riga R, LA, URS	SITOR-A: 1958-0915 R tts wtsc CW
	UFN	Novorossiysk R, RU, URS	scheduled
6496.5		coast stations, series 5	QBX 6258.5 kHz
	PCH 35	Scheveningen R, HOL	SITOR-A: 24 h tts SITOR-B: 1830 tfc list CW
	5RS	Toamasina R, MDG	scheduled
6497.0		coast stations, series 6	QBX 6259.0 kHz
	OFA	Helsinki R, FIN	scheduled
	UFB	Odessa R, UK, URS	scheduled CW
	UXN	Arkhangelsk R, RU, URS	scheduled
	VIP 32	Perth R, WA, AUS	scheduled CW
6497.5		coast stations, series 7	QBX 6259.5 kHz
	DCN	Norddeich R, D	scheduled
	UNH 2	Klaipeda R, LI, URS	scheduled
	UPB	Provideniya R, FE, URS	scheduled
	URD	Leningrad R, RU, URS	SITOR-A: 0035 R tts wtsc
	VCS	CCG Halifax, NS, CAN	scheduled
	XSG	Shanghai R, CHN	scheduled
	3AC 26	Monte Carlo R, MCO	scheduled
6498.0		coast stations, series 8	QBX 6260.0 kHz
	LBU 2	Rogaland R, NOR	SITOR-A: 0542-1947+2327 tts SITOR-B: 0700 N nx CW
	UAH	Tallinn R, ES, URS	scheduled
	UBN	Zhdanov R, UK, URS	scheduled CW
	UCO	Yalta R, UK, URS	scheduled
	MPD	Tampa R, FL, USA	scheduled
6498.5		coast stations, series 9	QBX 6260.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	HZG	Damascus R, ARS	scheduled
	KLC	Galveston R, TX, USA	scheduled
	OXZ	Lyngby R, DNK	SITOR-A: 24 h tts SITOR-B: 2130 tfc list CW
	UHK	Batumi R, GE, URS	scheduled
6499.0	9HG 14	Georgetown R, Pin. I., MLA	scheduled
		coast stations, series 10	QBX 6261.0 kHz
	IAR	Rome R, I	scheduled
	UAT	Moscow R, RU, URS	SITOR-A: 0802+1833 R tts wtsc, 2330 B nx CW
	MLO	Mobile R, AL, USA	scheduled CW
	YUS	Split R, YUG	scheduled
6499.5		coast stations, series 11	QBX 6261.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	FFT 32	Saint Lys R, F	SITOR-A: 0807-1326 tts CW
	SVS 3	Athens R, GRC	scheduled

6499.5	UQB	Kholmak R, FE, URS	scheduled
	URD	Leningrad R, RU, URS	scheduled
	WFM	Jeffersonville R, IN, USA	scheduled
	XSQ	Guangzhou R, CHN	scheduled
6500.0		coast stations, series 12	QX 6262.0 kHz
	GKP 3	Portishead R, G	SITOR-A: 1423+2117-0452 tts
			CW
	NMF	USCG Boston, MA, USA	scheduled
	NRV	USCG Apra Harbour, GUM	scheduled
	OBQ 5	Iquitos R, PRU	CW
	UXN	Arkhangelsk R, RU, URS	0901 R ry
			CW
6500.5		coast stations, series 13	QX 6262.5 kHz
	DCL	Norddeich R, D	SITOR-A: 0636+0957+1111 tts
	KPH	San Francisco R, CA, USA	scheduled
			CW
	HCC	Chatham R, MA, USA	scheduled
6501.0		coast stations, series 14	QX 6263.0 kHz
	FFT 31	Saint Lys R, F	SITOR-A: 0714-1926 tts or wx
			SITOR-B: 0200+0300+0600+0700+
			0800+0900+1100+1200+1400+2100+
			2200 tfc list or wx
			CW
	KPH	San Francisco R, CA, USA	scheduled
	UFH	Petropavlovsk R, FE, URS	scheduled
	UJQ	Kiyev R, UK, URS	scheduled
	VIS 63	Sydney R, NSW, AUS	scheduled
	HCC	Chatham R, MA, USA	scheduled
	3AC 36	Monte Carlo R, MCO	scheduled
	9VG 76	Singapore R, SNG	SITOR-A: 2139 tts
			CW
6501.5		coast stations, series 15	QX 6263.5 kHz
	IAR	Rome R, I	scheduled
	OXZ	Lyngby R, DNK	scheduled
			CW
	URB 2	Klaipeda R, LI, URS	scheduled
	WLO	Mobile R, AL, USA	SITOR-A: 0417 tts
			CW
	YUR	Rijeka R, YUG	scheduled
6502.0		coast stations, series 16	QX 6264.0 kHz
	COB 36	Flota Cubana F R, CUB	scheduled
	JBO	Tokyo R, J	scheduled
	SVU 3	Athens R, GRC	SITOR-A: 2047-0503 tts
			CW
	TBB 6	TN Ankara, TUR	CW
	YUM	Bar R, YUG	scheduled
6502.5		coast stations, series 17	QX 6264.5 kHz
	KLC	Galveston R, TX, USA	scheduled
	OST 37	Oostende R, BEL	SITOR-A: 0707+1325 tts
			CW
	UGH 2	Juzno R, FE, URS	scheduled
6503.0		coast stations, series 18	QX 6265.0 kHz
	IAR	Rome R, I	scheduled
	OFA	Helinski R, FNL	scheduled
	UDK 2	Murmansk R, RU, URS	0224+0452+2255 R tts wtscA
	UKX	Nakhodka R, SE, URS	scheduled
	VPS 28	Victoria Island R, HKG	scheduled
6503.5		coast stations, series 19	QX 6265.5 kHz
	SAB 319	Goeteborg R, S	SITOR-A: 0708-0218 tts
	UFM 3	Nevelsk R, FE, URS	scheduled
	VRT	Hamilton R, BER	scheduled
	MNU	Slide11 R, LA, USA	scheduled

6504.0		coast stations, series 20	QX 6266.0 kHz
	NMC	USCG San Franc., CA, USA	scheduled
	PCH 36	Scheveningen R, HOL	SITOR-A: 24 h tts
			CW
	S9M	Sao Tome R, STP	scheduled
	9VG 77	Singapore R, SNG	scheduled
			CW
6504.5		coast stations, series 21	QX 6266.5 kHz
	KPH	San Francisco R, CA, USA	scheduled
	LGU 3	Rogaland R, NOR	SITOR-A: 0341 tts
	UQK	Riga R, LA, URS	scheduled
	WCC	Chatham R, MA, USA	SITOR-A: 0100 wx
			SITOR-B: 0045+0445+1645+2040 ttf
			list
			CW
6505.0		coast stations, series 22	QX 6267.0 kHz
	GKQ 3	Portishead R, G	SITOR-A: 24 h tts
			CW
	KLC	Galveston R, TX, USA	scheduled
	KPH	San Francisco R, CA, USA	scheduled
	Y5M	Rügen R, DDR	SITOR-A: 1922 tts
			CW
6505.5		coast stations, series 23	QX 6267.5 kHz
	DCF	Norddeich R, D	SITOR-A: 0818-2015 tts
	UFB	Odessa R, UK, URS	SITOR-A: 2133 R tts wtsca
			CW
	YUR	Rijeka R, YUG	scheduled
6506.0	worldwide	coast stations DSC freq.	
6506.4		coast stations, ch 601	SSB QX 6200.0 kHz
	CB./..	many DGTMM R stations, CHL	
	CBM 9	ETAL Punta Arenas R, CHL	
	CKN	CF Vancouver, BC, CAN	
	DAJ	Norddeich R, D	
	DVF 7	Navotas R, PHL	
	DVR 3	Manila R, PHL	
	DVW 9	Quezon City R, PHL	
	FJP 7	Noumea R, NCL	
	HAR	Budapest R, HNG	
	HZG	Dammam R, ARS	
	LPW 35	Bahia Blanca R, ARG	
	N..	many USCG stations	
	OBG 3	Pisco R, PRU	
	OBT 2	Talara R, PRU	
	OM.	many R stations, TCH	
	PK. .	many R stations, INS	
	S3D	Chittagong R, BGD	
	TFA	Reykjavik R, ISL	
	XF.	many R stations, MEX	
	XFS 5	PEMEX Tuxpan R, MEX	
	XFU 2	PEMEX Veracruz R, MEX	
	XSG	Shanghai R, CHN	
	YUW	Bar R, YUG	
	ZLW	Wellington R, NZL	
	5AT	Tripoli R, LBY	
	5OW	Lagos R, NIG	
	7TA 17	El Djaza'ir R, ALG	
	9GA	Takoradi R, GHA	
	9HD	Valetta R, MLT	
	9MG 30	Georgetown R, Pin. I., MLA	
6509.5		coast stations, ch 602	SSB QX 6203.1 kHz
	CFH	CF Halifax, NS, CAN	
	CUL	Lisbon R, POR	

6509.5	DXS 3	General Santos City R, PHL		
	DZL 9	Manila R, PHL		
	GYU	RN Gibraltar, GIB		
	HLS	Soul R, KOR		
	HPP 20	Panama R, PNR		
	IAR	Rome R, I		
	QBB 4	Ilo R, PRU		
	QBY 3	Chimbote R, PRU		
	QSU 31	Oostende R, BEL		
	PCG 31	Scheveningen R, HOL		
	PKC 4	Panjang R, INS		
	PKY 5	Merauke R, INS		
	SPC 31	Gdynia R, POL		
	S3D	Chittagong R, BGD		
	S3E	Khulna R, BGD		
	TAN 2	Izmir R, TUR		
	TAO 2	Trabzon R, TUR		
	TRP 8	Gamba R, GAB		
	UQK	Riga R, LA, URS		
	YUR	Rijeka R, YUG		
	3AC 6	Monte Carlo R, MCO		
	3DP	Suva R, FJI		
	4PB	Colombo R, SLK		
	9GX	Tema R, GHA		
	9KK 5	Safat R, KWT		
	9VG 62	Singapore R, SNG		
		Abidjan F R, CTI		
6512.6		coast stations, ch 603	SSB	QSSX 6206.2 kHz
	DZJ	Bulacan R, PHL		
	DZZ	Manila R, PHL		
	HAR	Budapest R, HNG		
	HZG	Dammam R, ARS		
	J..	many R stations, J		
	LGN 30	Rogaland R, NOR		
	LPL 30	General Pacheco R, ARG		
	QBY 2	Paiza R, PRU		
	QXZ	Lyngby R, DNK		
	PK. ..	many R stations, INS		
	SAG	Goeteborg R, S		
	SVN 3	Athens R, GRC		
	S3D	Chittagong R, BGD		
	TFA	Reykjavik R, ISL		
	TUA	Abidjan R, CTI		
	UDK 2	Murmansk R, RU, URS		
	UFL	Vladivostok R, SE, URS		
	VFF	CCG Frobisher B., NWT, CAN		
	VI.	many R stations, AUS		
	VPS	Victoria Island R, HKG		
	VRT	Hamilton R, BER		
	XFC	Cozumel R, MEX		
	XFK	La Paz R, MEX		
	XFP	Chetumal R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFS 5	PEMEX Tuxpan R, MEX		
	4XO	Haifa R, ISR		
	SAT	Tripoli R, LBY		
	SBA 34	Nicosia R, CYP		
	SWA	Apia R, SMO		
	7TA 18	El Djaza'ir R, ALG		
6515.7		coast stations, ch 604	SSB	QSSX 6209.3 kHz
	ASK	Karachi R, PAK		
	CB./..	many DGTMM R stations, CHL		

6515.7	CFW	Vancouver R, BC, CAN		
	D..	many R stations, PHL		
	EHY	Pozuelo del Rey R, E		
	EQ.	many R stations, IRN		
	IAR	Rome R, I		
	LZW	Varna R, BUL		
	QBF 4	Mollendo R, PRU		
	QBR 3	Salaverry R, PRU		
	PJC	Willemstad R, Curacao, ATN		
	PK. ..	many R stations, INS		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	SPO 31	Szczecin R, POL		
	S3E	Khulna R, BGD		
	VPS	Victoria Island R, HKG		
	WAH	Saint Thomas R, VIR		
	WCM	Withamsville R, OH, USA		
	XFC	Cozumel R, MEX		
	XFE	Ensenada R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFU 2	PEMEX Veracruz R, MEX		
	XSQ	Guangzhou R, CHN		
	XSV	Tianjin R, CHN		
	YUS	Split R, YUG		
	4XO	Haifa R, ISR		
	5RS	Toamasina R, MDG		

6518.8 coast stations, ch 605 SSB QSX 6212.4 kHz

CWF	Punta Carretas R, URG
DZI	Bacoar R, PHL
DZO	Bulacan R, PHL
ETC	Assab R, ETH
HAR	Budapest R, HNG
HLS	Soul R, KOR
HSA 20	Bangkok R, THA
LGN 31	Rogaland R, NOR
OBC 3	Callao R, PRU
OBQ 5	Iquitos R, PRU
OXZ	Lyngby R, DNK
PK. ..	many R stations, INS
SAG	Goeteborg R, S
SUH	Alexandria R, EGY
S3E	Khulna R, BGD
UJO 5	Izmail R, UK, URS
UQB	Kholmsk R, FE, URS
VAI	CCG Vancouver, BC, CAN
VCS	CCG Halifax, NS, CAN
WAH	Saint Thomas R, VIR
WFN	Jeffersonville R, IN, USA
YUR	Rijeka R, YUG
5AB	Benghazi R, LBY
5OW	Lagos R, NIG
5RS	Toamasina R, MDG
6YI	Kingston R, JMC
7TA 19	El Djaza'ir R, ALG
9KK 52	Safat R, KWT

6521.9 coast stations, ch 606 SSB QSX 6215.5 kHz
(worldwide calling frequency)

6525.0 - 6685.0

AERONAUTICAL MOBILE (R)

6526.0

AMS = 2A 2B 3A 4A 6F 12G 14F SSB

6529.0		AMS = 3B 6G	SSB
6532.0		AMS = CMP, 2A 2B 3A 4A 12F	SSB
6535.0		AMS = SAT, 2C 5D 6G 9D 10A 10D 12C 12J 14B	SSB
6538.0		AMS = 3A 3B 9B 11B, VAFI	SSB
6541.0		AMS = 2C 6G 10C 13C 14C	SSB
6544.0		AMS = 1C 3A 3B 5A 5C 6C 10D	SSB
6547.0		AMS = 2A 2C 5D 6G 9B 10B 10E 12E 12J 13F 13K 14A	SSB
6550.0		AMS = 1B 3A 3C 5B 6D 11B 13J	SSB
6553.0		AMS = 2A 2C 4B 6G 9 10 12E 12F 13E 13F 13K 14A	SSB
6556.0		AMS = SEA, 1 3A 3C 10C 13C	SSB
6559.0		AMS = AFI, 2A 3B 6G 11B 13J 14D	SSB
6562.0		AMS = CMP, 2B 2C 10D 13C	SSB
6565.0		AMS = 2A 4 6G 11B 14E	SSB
6568.0		AMS = 2B 2C 3B 6D 7C 10C 13C	SSB
6571.0		AMS = EA, 12C	SSB
6574.0		AMS = AFI, 2A 6G 10B 13I 13M 14D	SSB
6577.0		AMS = CAR, 2B 2C 3B 4B 6D 13E	SSB
6580.0		AMS = 6G 7E 9C 10A 13C 13J 13K 14, VEUR	SSB
6583.0		AMS = 2 3 6E	SSB
6586.0		AMS = CAR, 2C 6G 7 13G 14C	SSB
6589.0		AMS = 3	SSB
6592.0		AMS = NCA, 12C	SSB
6595.0		AMS = 1B 3B 3C 5B 6D	SSB
6598.0		AMS = EUR, 4B 6G 9B 10B 10E 12E 13H	SSB
6600.0	RUU 76	Leningrad Met., RU, URS	FAX (hx 3300.0 kHz)
6601.0		AMS = 2	SSB
6604.0		AMS = 1D 6G 7C 10A 13N 14B, VNAT	SSB
6607.0		AMS = 3A 6A 6B	SSB
6610.0		AMS = 1D 6G 14F	SSB
6613.0		AMS = 3A 6A 6B 13G	SSB
6616.0		AMS = 4A 6G 12G 14E	SSB
6617.0		Kishinev Air, MO, URS	SSB
		Kiyev Air, UK, URS	SSB
		Leningrad Air, RU, URS	SSB
		Moscow Air, RU, URS	SSB
		Riga Air, LA, URS	SSB
		Rostov-na-Donu Air, UK, URS	SSB
6619.0		AMS = 3A 6B	SSB
6622.0		AMS = NAT, 6G 7F 9B 12C 13D	SSB
6625.0		AMS = MID, 3B	SSB
6626.7		Egyptian E Athens, GRC	SITOR-A: 1746 ATU-A msg
6628.0		AMS = NAT, 6G 7E 12C 13D 13M 14	SSB
6631.0		AMS = MID, 3B 6C	SSB
6634.0		AMS = 6G	SSB
6637.0		AMS = W I/II/III	SSB
6640.0		AMS = W II/V	SSB
6643.0		AMS = W I/IV	SSB
6646.0		AMS = W II/V	SSB
6649.0		AMS = SAM, 3A 6G	SSB
6652.0		AMS = 6G 7B	SSB
6655.0		AMS = NP, 2B 6E	SSB
6658.0		AMS = 3C 6A	SSB

6661.0		AMS = NP, 2B 6E	SSB
6664.0		AMS = 3C 5A	SSB
6667.0		AMS = 1E 2B 6F	SSB
6670.0		AMS = 3C	SSB
6673.0		AMS = AFI CEP, 2A 6G 10F 12D 13D 14B	SSB
6676.0		AMS = VSEA	SSB
6679.0		AMS = VPAC	SSB
6682.0		AMS = 6G	SSB

6685.0 - 6765.0 AERONAUTICAL MOBILE (OR)

6687.0	FUF	FN Fort de France, MRT	CW
6701.0		many FAF stations	SSB
6703.0	NGR	USN Kato Soli, GRC	VFT: 0537+1923+2025+2110 E nx
6715.0		many USAF stations	SSB
6730.0		Tbilisi Air, GE, URS	SSB
6736.0	ETD 3	Addis Ababa Air, ETH	1613-0521 ry or msgs (VSA)
6737.0		SAF Las Palmas, CNR	SSB
		SAF Madrid, E	SSB
6738.0	MQP	RAF Upavon, G	SSB
6741.7		Egyptian E Muscat, OMA	SITOR-A: 2348 ATU-A tfc to Cairo
6745.0	RFNV	Moscow Air, RU, URS	CW
6745.6	'RFVI'	FF Le Port, REU	ARQ 96 Bd: A: 2127 "controle de voie" to 'RFHI' (VII)
6750.0	AJE	USAF Wolvey, G	SSB
	CUW	PAF/USAF Lajes AFB, AZR	SSB
6751.7		MFA Cairo, EGY	SITOR-A: 0112 msgs (5lgs) to Washington
6753.0	CHR	CF Trenton, ONT, CAN	SSB
6759.5	LOR	AN Puerto Belgrano, ARG	100 Bd: 2110+2115 msg (5lgs)
6761.0		many USAF stations	SSB

6765.0 - 7000.0 FIXED + Land Mobile

6765.0	HSW 69	Bangkok Meteo, THA	FAX \$
6767.5		Italian E Beirut, LBN	SITOR-A: 1143 msg to Rome, s. off
6767.9		PTT Mazar-e Sherif, AFG	0520 to Kabul (MK)
6768.0	FDY	FAF Orleans, F	CW
6770.0	LOR	AN Puerto Belgrano, ARG	75 Bd: 2120+2254 msgs
	RAN 78	R Moscow feeder, RU, URS	ISB
	'RFLI'	FF Fort de France, MRT	ARQ 96 Bd: A: 0425+0615 msgs to 'RFFA' (GLI)
			B: 0120 "controle de cle" to 'RFFA', 2342 msgs to 'RFFA' (FDI)
6771.0	'98 OQJ'	SN Madrid, E	75 Bd: 1735 foxes, 1825 ry, 2204 msgs
6772.0	TNO	ASECNA Pte.-Noire, COG	0124+2025 ry
6773.0	SOB 277	PAP Warsaw, POL	CW
6775.0	XTU	ASECNA Ouagadougou, HVO	ARQ 96 Bd: A: 2113 msg B: 0120 "ch" (VBA)
6780.0	RTT 47	PTT Moscow, RU, URS	0808 tfc to RBT 70
6781.0	KRH 51	USE London, G	(sp 6786.5 kHz)
6783.5	STK	Khartoum Air, SDN	2256 ry
6784.4	IBB	NATO Verona, I	1200 clg DHJ 37
6786.5	KRH 51	USE London, G	75 Bd: 24 h foxes
6790.0	YMA 22	Ankara Meteo, TUR	FAX \$
6790.5	KRH 51	USE London, G	// 6786.5 kHz

6792.0	FSB 54	INTERPOL Paris, F	SITOR-A: 0630+1448 tfc CW
	IUV 81	INTERPOL Rome, I	SITOR-A: 0915+1753 msgs
	PDB 2	INTERPOL Utrecht, HOL	SITOR-A: 1323 msg
	SUC	Cairo Air, EGY	2208 msgs (EKA)
6794.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0528 ry, anns msgs, en- crypted tfc after "XYXYXY..."
6795.0	LZM 7	Sofia Meteo, BUL	1746-0552 ry or wx
6800.0	HGX 21	MFA Budapest, HNG	1752 ry
6802.0	'C'	Beacon Moscow, RU, URS	CW
6802.2	'P'	Beacon Kaliningrad, RU, URS	CW
6803.0	'D'	Beacon Odessa, UK, URS	CW
6803.5	Y7A 29	MFA Berlin, DDR	100 Bd: 0525-1528 ry or tfc CW
6804.0	'O'	Beacon Moscow, RU, URS	CW
6804.7	'Z'	Beacon Mukachevo, UK, URS	CW
6805.0	RBK 72	R Moscow feeder, RU, URS	ISB
	SOG 280	PAP Warsaw, POL	2100 E nx
6805.5	XVH 34	PTT Hanoi, VTN	2125 ry
6807.5	MKK	RAF London, G	VFT: ARQ 96 Bd: B: 0908 ryi
6815.0	BAL 34	PTT Beijing, CHN	1357+1744-2052 ry or to Berlin
6820.0	JKA 2	JIJI Tokyo, J	FAX 120/576: 0956+1351 J nx (text)
	OLW 2	PTT Prague, TCH	0649 ry
	ONY 27	NATO Rouveroy, BEL	2128 foxes
6822.5	RKC 24	R Moscow feeder, RU, URS	SSB
6824.0	GHH	Jamestown Meteo, SHN	0201+1824 wx
6825.0	RBV 79	R Moscow feeder, RU, URS	SSB
	9WD 617	Ranau Air, Sabah, MLA	SSB
6829.0	ZAD 2	PTT Tirana, ALB	0754-0907+1300-1326+1502-1511 ry or to YOG 29 (TBU) or Prague
6830.0	FTG 83	DGT Paris, F	SSB
	RDW 72	Khabarovsk Met., SE, URS	0053-0900+1404+1916 wx
		PETRA Amman, JOR	1400+1500 A nx, 1700-1900 E nx
6835.0	GFL 22	Bracknell Meteo, G	1626-0950 ry or wx
6837.0		SHELL Lagos, NIG	SITOR-A: 0100+2238 msgs
6840.0	EBC	SN Cadiz TS, E	CW/SSB
	LZM 7	Sofia Meteo, BUL	(sp 6795.0 kHz)
	OMZ	MFA Prague, TCH	75 Bd: 0628 msgs to Bonn
6844.0	'93 WPR'	SN Huelva, E	75 Bd: 1029 clg + tfc to '98 OQJ'
6848.0	SOG 284	PAP Warsaw, POL	0000 E nx, 1900 F nx
6852.0	WLO	Mobile R, AL, USA	FAX \$
6858.0	9KT 25	KUNA Safat, KWT	1000-1900 E nx
6860.0	'RPFN'	PN Lisbon, POR	75 Bd: 0905 ry
6861.0	EBA	SN Madrid, E	75 Bd: 1100-1805 ry or clg FUG
6862.0	9KT 25	KUNA Safat, KWT	0700-2000 A nx
6864.0	'94 PLL'	SN Cartagena, E	75 Bd: 1027 clg '98 OQJ'
6865.0	GYU	RN Gibraltar, GIB	0009 clg MUL
	STK	Khartoum Air, SDN	0236 ry
	YBF 6	Medan, INS	SSB
6865.9	D4B	Amilcar C. Air, Sal, CPV	0055+0221 ry
6868.7	KLI	Ngenfuss Copyright, FRG	1987 msg
6870.0	RTV 55	TASS Moscow, RU, URS	0430+0500+1800+1900+2000 E nx
6871.5	FDG 21	FAF Cognac, F	CW
6873.0		VoA Greenvl. fdr., NC, USA	SSB
6874.0	LRB 79	AP Buenos Aires, ARG	FAX 60/288 LSB ISD: 1345-0210 pix with S text
6880.0	RAN 77	Moscow Meteo, RU, URS	FAX // 53.6 kHz \$
6887.0	DFF 88	DW Cologne feeder, D	SSB
6888.2	ARA	Karachi Air, PAK	1610-0202 ry or msg
6890.0	RAN 76	R Moscow feeder, RU, URS	ISB

6895.0	DVK 78	Tacloban, PHL	SSB
	RBP	Odessa, UK, URS	1411 clg RHD 4
6900.0	'RFTJ'	FF Dakar, SEN	ARQ 96 Bd: B: 0145+0405+0516
			"controle de voie" to 'RFLI'
			(TJI)
6901.0	SMA 6	Norrköping Meteo, S	FAX // 4037.5 kHz \$
6903.3	'RIFAH'	IA Teulada, I	1000 msgs to 'RIFAH'
6905.0	FSB	INTERPOL Paris, F	SITOR-A: 1023+1441 tfc
			SITOR-B: 0655-1500 ry or msgs
	GMP	INTERPOL London, G	SITOR-A: 1025 msg
	IUV 81	INTERPOL Rome, I	SITOR-A: 1810 msgs
	PDB 2	INTERPOL Utrecht, HOL	SITOR-A: 1019 tfc
6908.3	YOG 29	PTT Bucharest, ROU	0758 ry, 0817+1345 to Tirana
			(BUT)
6909.0	RMP	SN Kaliningrad, RU, URS	CW
6910.0	RVO 79	Moscow Meteo, RU, URS	FAX 90/576: 2115 chart North-
			ern Hemisphere (zenithal pro-
			jection)
6912.0	ETD 3	Addis Ababa Air, ETH	1452+2144-0440 ry or msgs (VWB)
6913.0	DHJ 59	GN Wilhelmshaven, D	CW
6915.0	BAP 46	XINHUA Beijing, CHN	0900+1100+1400+1630+1830 E nx
6918.0	YOG 39	PTT Bucharest, ROU	1724 ry
6918.5	ECA 7	Madrid Meteo, E	FAX // 3650.0 kHz \$
6920.0	RAT 25	R Moscow feeder, RU, URS	SSB
	RGC 70	Kiyev Meteo, UK, URS	24 h ry or wx
6924.5		Nosy Be, MDG	CW
6925.0	KKN 50	MFA Washington, DC, USA	CW
	BBN	Medan Air, INS	0033 ry, msgs; 2336 ry (NQA)
	'RFFDC'	FF Rennes, F	ARQ-E 96 Bd: 1353 msg (IKG)
6928.0	IPA E8	Milano Prefettura, I	0631-1811 msgs to MOI Rome
6930.0	EBA	SN Madrid, E	CW
6935.0	'RFLI'	FF Fort de France, MRT	ARQ 96 Bd: B: 0150+0821 "cont-
			role de voie" or svc msg to
			'RFTJ' (LIJ)
6939.4	'RFFH'	FF Marseille, F	ARQ-E 96 Bd: 1246-1302 msgs +
			encrypted tfc after "KKKK..." to
			'RFFA' (IMK)
6941.5	TRK	ASECNA Libreville, GAB	ARQ 96 Bd: A: 2037+2120+2228
			msgs or "ch" (GFA)
			B: 2045 msgs; 2250 wx with WMO
			headings
6942.5	'RFFX'	FF Versailles, F	ARQ-E 96 Bd: 1020+1525+1909 msg
			to 'RFFA' (INK)
6943.0	STX	ASECNA Nouadhibou, MTN	2152-0720 ry
		VoA Kavalla, GRC	75 Bd: 0000+0100+0200+0300+
			0600+2300 E nx
6943.5	AOB 50	LORAN Estartit, E	SSB
	NCI	LORAN Napoli, I	SSB
	NCI 4	LORAN Eregli, TUR	SSB
6944.0	CKN	CF Vancouver, BC, CAN	FAX // 4268.0 kHz \$
6945.0	7XR 31	Bechar Meteo, ALG	SSB
6946.0	CKN	CF Vancouver, BC, CAN	CW
6948.0	'RFFBDI'	FF Dijon, F	ARQ-E 72 Bd: 1210 msg (5lgs)
			to 'RFFB' (IUW)
6950.0	BJZ 20	Wuhan Meteo, CHN	2358-0928 ry or wx
	MKK	RAF London, G	VFT: 1411 ry
	RJK 78	Kiyev Meteo, UK, URS	FAX // 3360.0 kHz \$
6952.0	5YE	Nairobi Meteo, KEN	100 Bd: 1906-0153 wx
6955.0	DFP 95	DW Cologne feeder, D	SSB
6955.5		Nosy Be, MDG	CW
6956.0	5YE	Nairobi Meteo, KEN	FAX \$
6960.0	LZN 3	BTA Sofia, BUL	1730 E nx

6960.0	LZN 3	PTT Sofia, BUL	2053 s. on with ry
6965.0	YMH 3	Bandirma Meteo, TUR	CW
6970.0	RBT 54	Irkutsk Meteo, SE, URS	0050+0106 wx
6970.5	FDY	FAF Orleans, F	CW
6972.0	YOG 59	AGERPRES Bucharest, ROU	1600 F nx, 1700 E nx, 1800 F nx
6975.0	DFF 97	DW Cologne feeder, D	SSB
	6VU	ASECNA Dakar, SEN	2313-0630 ry
6978.0	VVD 56	Delhi Meteo, IND	1415 wx
6981.5	CCS	CN Santiago, CHL	CW
6983.0	6MK 60	YONHAP Soul, KOR	FAX 60/288: 0110+0120+0244+
			0528 Korean nx (text)
6983.7	7XA 97	El Djaza'ir Meteo, ALG	0730+1444+1611+1810+1817 wx
6984.0	FUD	FN Toulon, F	CW
6985.0	BSB 29	Lanzhou Meteo, CHN	0927+1412+1810 wx; 2115 ry, wx
6986.0	'P'	Beacon Kaliningrad, RU, URS	CW
6987.5	RAT 23	R Moscow feeder, RU, URS	ISB
6988.0	Y7A 31	MFA Berlin, DDR	100 Bd: 1215+1410 t/c
6988.9	BQ9	Male Air, MLD	1754-0154 ry (MCA)
6990.0	Y2V 4	ADN Berlin, DDR	2200+2300 S nx
6995.0		RFE Holzkirchen feeder, D	ISB
6999.0	CSY	Santa Maria Air, AZR	1412-0852 ry or msg (MCA)
6999.5	WAR	USA MARS Wash., DC, USA	45 Bd: 0219 msg

7000.0 - 7100.0

AMATEUR + AMATEUR-SATELLITE

7030.0	IRF 50	ANSA Rome, I	(sp 8030.0 kHz)
7042.5		VoA Monrovia, LBR	(sp 7442.5 kHz)
7054.6	RIW	SN Khiva, UZ, URS	CW
7056.0		UNID Soviet coastal station (287)	FAX 60/576: 0700 Cyrillic nx (text) entitled "OKEAHCKNM KYPCOM" to ships

7100.0 - 7300.0

Region 1 = BROADCASTING

Region 2 = AMATEUR

Region 3 = BROADCASTING

7300.0 - 8100.0

FIXED + Land Mobile

7302.0	IDR 3	IN Rome, I	CW
7304.0	FIT 57	Metz Prefecture, F	SITOR-A: 1318 msg
7305.0	JMH 2	Tokyo Meteo, J	FAX // 3622.5 kHz \$
7307.0	Y2V 33	ADN Berlin, DDR	1800+1900 F nx
7312.5	JXZ	NATO Kolsaas, NOR	1445 foxes without ID
7314.5	YFD 2	Menado, INS	CW
7315.0	RDG 23	Tashkent Meteo, RU, URS	0258 wx, ry
7317.2	SUU	Cairo Meteo, EGY	24 h wx
7319.0	FDC 3	FAF Dijon, F	(hx 3659.5 kHz)
7322.9	'UWWB'	Bugul'ma Air, RU, URS	1425 msg (5lgs!) to 'URRH' with local time group
			FAX // 5117.0 kHz
7330.0	3MA 30	CNA Taipei, TAI	CW/SSB
7335.0	CHU	Ottawa TS, ONT, CAN	0511 ry
7340.0	70C	Khormaksar Air, YMS	1300-2222 ry or wx
7350.0	BAF 44	Beijing Meteo, CHN	SITOR-A: 0738 msg, 0843 msg (5lgs) to La Valletta, 0931 msg
7351.5		MFA Rome, I	SITOR-A: 0805 msg (5lgs) + msg
			0257 ry
7352.5		MFA Rome, I	0310 ry
7355.0	TZH	ASECNA Bamako, MLI	
	'RPTI'	PN Ponta Delgada, AZR	

7358.0	ZRH	SAN Capetown, AFS	75 Bd: 0035 clg NMN
7363.7		KCNA Pyongyang, KRE	FAX 60/288: 0843-1121 Korean nx (text)
7370.0	8EA 25	Merak, INS	SSB
7378.0	FDC 3	FAF Dijon, F	CW
	FDY	FAF Orleans, F	CW
7383.0		Polish E Copenhag., DNK	75 Bd: 1243 msgs to SNN 299
7392.5	GYU	RN Gibraltar, GIB	2350 clg MUL
7395.0	HSW 64	Bangkok Meteo, THA	0016+1043-1922 wx FAX // 6765.0 kHz \$
7397.0	'RPFN'	PN Lisbon, POR	0310 ry
7401.0	GMP	INTERPOL London, G	SITOR-A: 1453 tfc
	HEP 74	INTERPOL Zürich, SUI	SITOR-A: 1450 msg + tfc
	IUV 81	INTERPOL Rome, I	SITOR-A: 1358 tfc
	OEQ 39	INTERPOL Vienna, AUT	SITOR-A: 1240+1548 tfc + msgs
7402.5	ATP 57	Delhi Meteo, IND	1119 wx
	SPW	Warsaw R, POL	CW
7403.0	ATP 57	Delhi Meteo, IND	FAX // 4993.5 kHz \$
7404.0	SPW	Warsaw R, POL	SSB
7410.0	RAN 72	R Moscow feeder, RU, URS	SSB
7420.0	BDF	Shanghai Meteo, CHN	FAX 120/576: 0520+0707 chart, 0730 AUAS 0000, 0846 chart
7423.0	5YD	Nairobi Air, KEN	1739-0444 ry or msgs (KVA)
7425.0	Y2V 5	ADN Berlin, DDR	1500+1700+1800+1900+2100+2200 E nx
7426.0	5NL	Lagos Air, NIG	2331 ry
7428.0	FSB	INTERPOL Paris, F	SITOR-B: 0744+1057+1403 ry or msgs
7428.5		TELAM Buenos Aires, ARG	0000+0100+0200+0500+2000+2100+ 2200+2300 S nx
7432.0	Y2V 6	ADN Berlin, DDR	(sp 7950.5 kHz)
7442.5	SLA ..	VoA Monrovia, LBR	75 Bd: 0000 E nx, 0100+0200+ 0300+0400 F nx, 2300 E nx
7444.9	IZN	ICG Porto Torres, I	1406 ry
7453.0	NGR	USN Kato Soli, GRC	FAX // 4053.5 kHz \$
7455.0	MKK	RAF London, G	VFT: 1059 ryi
	NGR	USN Kato Soli, GRC	COMB
	'RFTJ'	FF Dakar, SEN	FAX // 3379.5 kHz \$
7456.0	LRO 42	NA Buenos Aires, ARG	ARQ 96 Bd: B: 0714 msg to 'RFFA' (DRI)
7460.0	LZB	BTA Sofia, BUL	0200+0300+0500 S nx
7472.5	IDR	IN Rome, I	1730 E nx
7474.0	GXQ	BA London, G	CW
	TJK	ASECNA Douala, CME	VFT: 0308 ryi
7475.0	RXB 75	Khab. Meteo, SE, URS	COMB
	'RFFE'	FF Bordeaux, F	1713-0603 ry
7478.0	SLA ..	VoA Monrovia, LBR	FAX // 4516.7 kHz \$
7479.5	CSE	PAF Lisbon, POR	ARQ-E 96 Bd: 1246 operational msg to 'RFFC' (IBA)
7480.5		VoA Greenvl. fdr., NC, USA	75 Bd: 0000 E nx, 0100+0200+ 0300+0400 F nx, 2300 E nx
7483.0	6VU	ASECNA Dakar, SEN	FAX // 3706.5 kHz \$
			SSB
			0306 ry
			ARQ 96 Bd: A: 0000+0155 svc msgs + msgs to T2H (DBA)
			B: 0159+0420+2250+2328 msgs (MBB)
7485.0	UDY	SAM Novyy Port, SW, URS	0027 ry
7486.5		MFA Rome, I	SITOR-A: 1700 msg (5lgs) + tfc
7487.5	MKD	RAF Akrotiri, CYP	VFT: 1802-0825 ryi
			COMB

7490.0	DFG 49	DW Cologne feeder, D	SSB
7495.0	RDK 23	Tbilisi Met., GE, URS	FAX // 3745.0 kHz \$
7502.5	FDY	FAF Orleans, F	CW
7504.5	GXH	RN/USN Thurso, G	CW
7505.0	5YE	Nairobi Meteo, KEN	100 Bd: 1900-0445 wx
7507.1	DFG 50	DW Cologne feeder, D	SSB
7508.0	ZRO 2	Pretoria Meteo, AFS	FAX // 4014.0 kHz \$
7511.0	XDA 80	Guadalajara, MEX	CW
7512.0	TZH	ASECNA Bamako, MLI	ARQ 96 Bd: B: 0000 "ch", 0001 svc msg to 6VU, 0020+2340 "ch" (BDA)
	XVN	Hanoi Meteo, VTN	1815+2115 ry, wx
	ZRO 2	Pretoria Meteo, AFS	75 Bd: 1743-0452 wx
7514.5	FDG 21	FAF Cognac, F	CW
7515.0	JMB 2	Tokyo Meteo, J	CW
7520.0	BZP 57	XINHUA Beijing, CHN	0000+0100+0200+1400+1800+1900+ 2030+2300 E nx
7521.5	FDY	FAF Orleans, F	1207+1406 ry
7522.3	FDY	FAF Orleans, F	CW
7523.0		Czech E London, G	75 Bd: 1501 msgs to DMZ
7524.0	TYE	ASECNA Cotonou, BEN	ARQ 96 Bd: A: 0611 msg, 2045 "ch" (UNA)
7525.0	RBX 56	ANGOP Moscow, RU, URS	B: 1740 "ch", 1757 msg
7530.0	NMF	USCG Boston, MA, USA	1900 P nx, 2000 F nx
	RQM 76	Khab. Meteo, SE, URS	FAX // 3242.5 kHz \$
7532.0	FSB 55	INTERPOL Paris, F	FAX // 3250.0 kHz
			SITOR-A: 0251+1828 tfc
7535.0	AXI 33	Darwin Meteo, NT, AUS	CW
7540.0	ROK 28	PTT Moscow, RU, URS	FAX // 5755.0 kHz \$
7542.5	ZEN 33	AFP Victoria Island, HKB	SSB
7552.5	SST 41	Antananarivo Meteo, MDG	1400 F nx
7555.0	Y2V 34	ADN Berlin, DDR	1855 wx
			1400 E nx, 1500+1600+1700+1800 A nx, 1900 E nx, 2000 A nx
7560.0	NGR	USN Kato Soli, GRC	VFT: 0802 E nx
	RPT 30	TASS Moscow, RU, URS	1100+1500+1700+1800+1900+2000+ 2100 F nx
7562.0	SOH 256	PAP Warsaw, POL	CW
7564.0	CTP	NATO Lisbon, POR	(hx 3782.0 kHz)
7565.0	FIT 75	Paris Prefecture, F	CW
	YIX 75	INA Baghdad, IRQ	1500+1600+1800+1900 A nx
7565.5	AJE	USAF Wolvey, G	COMB
7568.0	AJE	USAF Wolvey, G	VFT: 45 Bd: 0508+0833+0942 E nx
			VFT: 75 Bd: 0508+0756+0834 wx
7569.2	AJE	USAF Wolvey, G	COMB
7570.0	RBX 72	Tashkent Met., UZ, URS	FAX // 3690.0 kHz \$
7571.8	AJE	USAF Wolvey, G	COMB
7575.0	RSR 79	Minsk Meteo, BY, URS	FAX // 3810.0 kHz
7576.0	FVA 80	Rosny sur Bois Gendarm., F	CW
7577.5	OLZ 2	CETEK Prague, TCH	1800 E nx
7580.0	MKD	RAF Akrotiri, CYP	VFT: 1742-0613 ryi
			COMB
	RKA 70	PTT Moscow, RU, URS	SSB
	VVD 57	Delhi Meteo, IND	1444+1758+1831 wx
7583.5	FDY	FAF Orleans, F	CW
7585.0	6VY 41	Dakar Meteo, SEN	1838-0726 ry or wx
7592.0	YZD 6	TANJUG Belgrade, YUG	1900+2200 F nx
7595.0	ETG 60	Addis Ababa Air, ETH	SSB
7596.0	SUA	ASECNA Niamey, NGR	ARQ 96 Bd: A: 0342+0615+2233 msgs (NUB)
			B: 0555+0601+0616+2306+2336 msgs (NUA, NUB)

7599.0	9KT 262	KUNA Safat, KWT	1000-1900 E nx
7600.0	HD 210A	Guayaquil TS, EGA	CW/SSB
	ZRH	SAN Capetown, AFS	0505 clg CCM
7603.0	9KT 262	KUNA Safat, KWT	0700-2000 A nx
7605.0	'RFFA'	MOD Paris, F	ARQ 96 Bd: A: 0800 msg to 'RFTJ'
7610.0	SUA 231	MENA Cairo, EGY	0615+1600 E nx, 1800+1900 A nx, 2300 E nx
7614.0	SUA	ASECNA Niamey, NGR	1713-0553 ry or msgs (NKA)
7615.0	RTT 44	TASS Moscow, RU, URS	1500+1600+1800+1900+2100 E nx (hx 3809.0 kHz)
7618.0	YRR 5	Bucharest Meteo, ROU	75 Bd: 0703 clg EBA, 0727 msg to EBA, 1804 ry
7619.0	FUG	FN La Regine, F	100 Bd: 1318-0435 ry or wx CW
7625.0	HZN 47	Jeddah Meteo, ARS	FAX // 3610.0 kHz \$
7627.0	KWS 78	USE Athens, GRC	0256 ry
7630.0	RNR 78	Rost.-na-D. M., UK, URS	0230+1430 wx
	TTL	ASECNA N'djamena, TCD	FAX // 3810.0 kHz
7640.0	RST 76	Minsk Meteo, BY, URS	ARQ 96 Bd: B: 1722 msg or en- cryptd tfc after "KKKK..." to 'RFQP' (FKN)
7642.1	'RFVI'	FF Le Port, REU	0438-2344 ry or wx
7646.0	DDH 7	Hamburg Meteo, D	1000-1900 E nx
7649.0	9KT 263	KUNA Safat, KWT	0100+1400+1700+1800+1900+2030+ 2300 E nx
7650.0	BZR 67	XINHUA Beijing, CHN	ISB
7651.0		VoA Greenvl. fdr., NC, USA	CW
7652.0	KKN 44	USE Monrovia, LBR	0700-2000 A nx
7653.0	9KT 263	KUNA Safat, KWT	ARQ 96 Bd: A: 0140 wx, 0251+ 0446+0622+1949+2240 msg (DNA, DNB)
7657.0	6VU	ASECNA Dakar, SEN	B: 0138+0250+0346+1950 msgs (DNA, DNB)
7658.0	YZD	TANJUG Belgrade, YUG	0000+0200+0400+0500+0800+0900+ 1000+1100+1200+1300+1500+1600+ 1700+1800+1915+2200 E nx
7660.0	XVT 56	PTT Hanoi, VTN	0005+0030+2358 clg + to HBJ 31
7661.7	HBD 20	MFA Berne, SUI	SITOR-A: 0745 msg (5lgs), 0920 msg (B press review)
7661.9	COP 74	Yright Klingenfuss, D	1987: Publications
7662.0	KWL 90	USE Manila, PHL	CW
7665.5	ADK	SN/USN Rota, E	FAX // 4053.5 kHz \$
7667.0	51Z 33	EAETC Zanzibar, TZA	SSB
7670.0	RCC 76	Moscow Meteo, RU, URS	FAX // 53.6 kHz \$
7671.1	FDY	FAF Orleans, F	1211+1424 ry
7678.0	FDC 3	FAF Dijon, F	CW
7680.0	GXQ	BA London, G	VFT: 24 h ry1
	YFA	Ujung Pandang Air, INS	COMB
7685.0	RBV 75	Moscow Meteo, RU, URS	1020 ry
7690.0	TUH	ASECNA Abidjan, CTI	24 h ry or wx
		PTT Jibuti, DJI	1958-0700 ry
7692.5	SPW	Warsaw R, POL	SSB
7693.0	3BT 3	Vacoas Meteo, MAU	CW
7695.0	RMD 51	TASS Moscow, RU, URS	1530+1830 wx
	3MA 26	CNA Taipei, TAI	1300+1400 F nx, 1600 A nx, 1700 F nx, 1800+1900 A nx 0230-0330+0930-1030+1330-1500 E nx
7697.0	9KT 264	KUNA Safat, KWT	1000-1900 E nx
7701.0	9KT 264	KUNA Safat, KWT	0700-2000 A nx
7701.6	PCW 1	MFA Den Haag, HOL	CW
7705.0	ADK	SN/USN Rota, E	CW

7710.0	MKK	RAF London, G	VFT: 24 h ry COMB
	VFF	Frobisher Bay Meteo, NWT, CAN	FAX // 3253.0 kHz \$
7715.0	RCU 71	Novosibirsk Met., SW, URS	1255-0715 ry or wx
7722.5	FDY	FAF Orleans, F	CW
		VoA Ismaning feeder, D	SSB
7724.0	KRH 50	USE London, G	CW
7727.0	FDY	FAF Orleans, F	0237-1605 ry
7727.5	FDY	FAF Orleans, F	CW
7730.0	CUW	PAF/USAF Lajes AFB, AZR	SSB
	YFA	Ujung Pandang Air, INS	SSB
7747.5	GYU	RN Gibraltar, GIB	COMB
7750.0	RAW 78	Moscow Meteo, RU, URS	FAX // 2815.0 kHz \$
7756.0	SUA 34	MENA Cairo, EGY	1500+1900 A nx
7756.2	WFB 37	ITT New York, NY, USA	0238 foxes
7760.0	RGH 77	Arkhangelsk Meteo, RU, URS	24 h ry or wx
7767.5	DFG 76	DW Cologne feeder, D	SSB
7768.5		VoA Greenvl. fdr., NC, USA	SSB
7770.0	GYU	RN Gibraltar, GIB	VFT: ARQ 96 Bd: B: 0304 encryp- ted tfc COMB
	KVM 70	Honolulu Meteo, HWA	FAX // 5037.5 kHz \$
7775.0	ATU 58	MEA Delhi, IND	1500+1600 E nx
7776.0		Polish E Berne, SUI	75 Bd: 0817 tfc + msgs (5fgs) to SNN 299
7777.0	5YD	Nairobi Air, KEN	CW
7784.0	Y2H 7	DP Berlin, DDR	1610 ry
7787.0	RCT 52	TASS Moscow, RU, URS	1700-2000 F nx
7790.0		Italian E Vienna, AUT	SITOR-A: 0745 msg (5lgs) + msgs to Rome
7795.5	9HA	Luqa Air, MLT	1744+2029 ry
7800.0	EPX 9	IRNA Tehran, IRN	1500-1730 E nx
	YVMS 4	Caracas, VEN	SSB
	YZG	TANJUG Belgrade, YUG	75 Bd: 2000 E nx
7803.5	STK	Khartoum Air, SDN	0013+0026+0126+1547+2122 ry
7806.0	YZD 7	TANJUG Belgrade, YUG	1700+1800+1915 E nx
7811.7		MFA Cairo, EGY	SITOR-B: 1719-2204 ATU-A msg
7812.5	Y7A 34	MFA Berlin, DDR	0614-2028 ry or tfc
7815.0	BAA 22	Beijing Meteo, CHN	0041-1028 wx
7816.5	FDI	FAF Aix, F	CW
7817.5	5NK	Kano Air, NIG	2315-0504 ry
7838.2	ETD 3	Addis Ababa Air, ETH	0348+2342 ry
7840.0	'RPTI'	PN Ponta Delgada, AZR	1450 clg + tfc to 'RXGIAC'
7842.4	CNM 20.1X	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
7845.0	SOH 284	PAP Warsaw, POL	1700 E nx
7848.0	ONY 27	NATO Rouveroy, BEL	1636 foxes
7849.5	XJZ	NATO Kolsaas, NOR	0842 ry, s. off
7850.0	ZAA	ATA Tirana, ALB	1100-1245+1700-1845+1900+2100 F nx
7850.5	JXZ	NATO Kolsaas, NOR	1428+1737+2325 foxes without ID
7855.0	ROK 24	Moscow Meteo, RU, URS	24 h ry or wx
7863.0	BJZ 21	Wuhan Meteo, CHN	1428-0959 ry or wx
7863.5	SPW	Warsaw R, POL	CW
7865.0	SPW	Warsaw R, POL	SSB
7866.6	7IT 4	Menado, INS	SSB
7867.1		STE Damascus, SYR	1505 to Moscow (SDM)
7875.0	RNN 52	TASS Moscow, RU, URS	1500 F nx
7879.1	ONY 27	NATO Rouveroy, BEL	CW
7880.0	DDK 3	Hamburg Meteo, D	FAX // 3855.0 kHz \$

7887.0	BZS 27 4UZ	XINHUA Beijing, CHN UNO Geneva, SUI	0000+0100+1800+1900 E nx 75 Bd: 0344+0440+0616 msg to 4US
7890.0	ROQ 3	Novosibirsk Met., SW, URS	1323-0649 wx
7890.2		Cochabamba, BOL	SSB
7891.0	OEC	MFA Vienna, AUT	FEC-A 96 Bd: 1333 tfc + msg (E APA-nx) to OEC 61
	OEC 61	Austrian E Rome, I	FEC-A 96 Bd: 1306 msg + msg (5lgs) + tfc to OEC
7892.5	SOH 289B	PAP Warsaw, POL	SITOR-B: 1200+1400+1800 Polish nx FAX 90/576: 0530-0615+1915 Po- lish nx (text)
	SPW	Warsaw R, POL	SITOR-A: 24 h tts; QSX 8328.5 kHz CW
7894.0	SOH 289	PTT Warsaw, POL	1722 clg YOG 39
	SPW	Warsaw R, POL	SSB
7895.0	'RFVI'	FF Le Port, REU	ARQ 96 Bd: A: 0243 encrypted tfc after "KKKK..." to 'RFFA', 0305+2035 "controle de voie" to 'RFFA' (REI)
			B: 0240 "controle de voie" + msgs (wx) + encrypted tfc after "KKKK..." to 'RFFA'; 2035 "con- trole de voie" to 'RFFA' (REI)
7902.0	'RFGX'	FF Baden-Baden, D	ARQ-E 48 Bd: 1518 msg to 'RFFA' (IGA)
7902.5	SSS	Sambava Air, MDG	CW
7904.5	'K'	Beacon Khabarovsk, SE, URS	CW
7904.7	'C'	Opyright Klingenfuss, D	ISB
7904.9	5AF	Tripoli Air, LBY	SSB
	5AH	Benina Air, LBY	SSB
7905.5		MFA Rome, I	SITOR-A: 0743 msg (5lgs)
7910.0	RCW 79	Alma Ata Meteo, KA, URS	FAX 60/288: 1655 chart Ka- zakhstan
7910.5		MFA Rome, I	SITOR-A: 0735 msg (5lgs)
7910.8	HAM	Budapest Air, ALB	CW
	ZAT	Tirana Air, ALB	CW
7911.5	9KT 26	KUNA Safat, KWT	1000-1900 E nx
7915.5	9KT 26	KUNA Safat, KWT	0700-2000 A nx
7917.0	FDY	FAF Orleans, F	CW
7917.5	DFG 91	DW Cologne feeder, D	SSB
7919.0	4XQ 97	PTT Tel Aviv, ISR	1746+1758+1803 clg or to Moscow
7922.0	SUA	ASECNA Niamey, NGR	ARQ 96 Bd: A: 2143 msg (NDA, NDB)
			B: 2340 "ch" (NDA)
7923.0	BPJ 34	XINHUA Beijing, CHN	ARQ 96 Bd: A: 1500 F nx, 1930 ry
			B: 1938 ry
			ARQ 192 Bd: A: 1445+1728 ry
			B: 1828 ry, 1830 E nx
7925.0	ROK 22	R Moscow feeder, RU, URS	ISB
7926.0	EBC	SN Cadiz, E	CW
7931.7		Hamburg Meteo, D	CW
7945.0	ATK 58	PTI Delhi, IND	1500 E nx
	RFQ	Ashkhabad Air, TU, URS	0430 ry, 0450 msg (BPP)
7946.5	DHJ 51	Grengel Meteo, D	24 h ry or wx
7949.5	Y2V 6	ADN Berlin, DDR	1600 A nx, 1800 E nx, 2200 S nx
7950.5	Y2V 6	ADN Berlin, DDR	1400+1500+1600+1700+1800+2000 E nx
7951.5	JXU 8	NN Bodoe, NOR	CW

7954.5	LRN 85	DyN Buenos Aires, ARG	75 Bd: 0000+0100+0200+0300+ 1900+2200+2300 S nx 2343-2359 clg Hanoi 75 Bd: 1206 msgs to OMZ CW VFT: 2002-0857 ryi COMB
7955.0	HSJ 31	CAT Bangkok, THA	
7958.0		Czech E Sofia, BUL	
7960.0	FDY	FAF Orleans, F	
	MKD	RAF Akrotiri, CYP	
	OMZ	MFA Prague, TCH IRNA Tehran, IRN	75 Bd: 0823+1105 msg 1500-1730+1900-2030 E nx, 2030- 2200 A nx
7967.5	RFU 7	Rost.-na-D. M., UK,URS	FAX // 3610.0 kHz \$
7970.0	RAW 73	TASS Moscow, RU, URS	1400+1500+1600+1700+1800+1900+ 2000+2100 A nx 1815+2115 ry, wx 100 Bd: 24 h ry or wx 1700+1800+1915+2000+2100 E nx 24 h ry or wx 1214+1432 ry FAX // 3357.0 kHz \$ COMB CW 1032 msgs + tfc CW (hx 4002.0 kHz) ARQ-E 72 Bd: 0326+0415 msg to 'RFFXL' (XXL) SITOR-A: 0704 tfc to HBD 20 SSB CW FAX // 53.6 kHz \$ 0019 ry, 0346+1442+2236 msgs (NTA) 1652 ry 1800-2100 E nx 0000+0100+0300+0500+0600+1600+ 1700+2000+2100+2300 A nx 0300+0400+0500+1600+1700+1800+ 1900+2000+2100+2300 F nx 0800+1000+1100+1200 E nx, 1400+ 1600 F nx CW 2100 E nx VFT: 0923 ryi 0800 E nx SITOR-A: 1355 tfc SITOR-B: 0821 msg SITOR-A: 1353 tfc 0038-0411 ry or wx FAX // 3289.5 kHz \$ SITOR-A: 1242+1505 tfc + msgs SITOR-A: 0820+1035 msgs + tfc SITOR-A: 1155+1430 msgs + tfc SITOR-A: 1243 tfc + msg 1700+1800 E nx 1730-1900 A nx, 1900-2030 E nx, 2030-2200 A nx SITOR-B: 0350+0506+2350 test, tfc list FAX // 3706.5 kHz \$ 2052 clg Beijing 0430+0500+1300+1600+1800+1900+ 2000 E nx, 2100 F nx
7972.0	XVN	Hanoi Meteo, VTN	
7980.0	Y3I	Potsdam Meteo, DDR	
7996.0	YDZ 9	TANJUG Belgrade, YUG	
7997.0	SOH 299	Warsaw Meteo, POL	
7998.0	FDY	FAF Orleans, F	
8000.0	GXH	RN/USN Thurso, G	
	JJY	Tokyo TS, J	
8001.0	SOI 200	PAP Warsaw, POL	
8002.0	'KARIM'	MOI El Djaza'ir, ALG	
8003.0	FDY	FAF Orleans, F	
8004.0	YRR 2	Bucharest Meteo, ROU	
	'RFFX'	FF Versailles, F	
8005.1	HBD 21	Swiss E Rome, I	
	STQ 2	COMINOR Nouadhibou, MTN	
8008.3	Y7A 35	MFA Berlin, DDR	
8010.0		Moscow Meteo, RU, URS	
8010.2	SUA	ASECNA Niamey, NGR	
8014.5	BCQ 21	PTT Shanghai, CHN	
8020.0	HMF 85	KCNA Pyongyang, KRE	
8022.3	FTI 2H1	AFP Paris, F	
8023.7	FTI 2H3	AFP Paris, F	
8030.0	IRF 50	ANSA Rome, I	
	L0L	AN Buenos Aires TS, ARG	
	RRQ 27	TASS Moscow, RU, URS	
8035.0	MKK	RAF London, G	
8037.0	IRF 40	ANSA Rome, I	
8038.0	FSB	INTERPOL Paris, F	
	OWS 3	INTERPOL Copenhag., DNK	
8039.0	BZC 75	Urumqi Meteo, CHN	
8040.0	GFA 23	Bracknell Meteo, G	
8045.0	FSB	INTERPOL Paris, F	
	IUV 81	INTERPOL Rome, I	
	OEQ 42	INTERPOL Vienna, AUT	
	OWS 3	INTERPOL Copenhag., DNK	
8047.5	IRF 20	ANSA Rome, I	
8050.0		IRNA Tehran, IRN	
8051.5	W00	Ocean Gate R, NJ, USA	
8054.0	CSE	PAF Lisbon, POR	
8055.0	LZA 2	PTT Sofia, BUL	
8060.0	RAW 71	TASS Moscow, RU, URS	

8062.0	IRF 80	ANSA Rome, I	0900 F nx, 1000+1100+1500 E nx, 1600+1800 F nx, 1900 E nx, 2000 F nx
8067.0	Y2V 7B	ADN Berlin, DDR	1800 F nx
8067.4	8BN	Medan Air, INS	88B
8068.0	Y2V 7A	ADN Berlin, DDR	1600+1800+1900+2000+2100+2200 E nx
8070.0	FDY	FAF Orleans, F	0736 ry
	ZRH	SAN Capetown, AFS	75 Bd: 0153 clg NMN
8071.3	AWD	Delhi Air, IND	0157 msg, 0210+0239+0256 ry (IKA)
8077.5	SMA 8	Norrköping Meteo, S	FAX // 4037.5 kHz \$
8080.0	NAM	USN Norfolk, VA, USA	FAX // 3357.0 kHz \$
8081.0	SOI 208	PTT Warsaw, POL	1454 ry
8082.2	'U'	Beacon Murmansk, RU, URS	CW
8083.0	RIJ 75	Tashkent Meteo, UZ, URS	1422-0200 wx
8085.0	MKK	RAF London, G	VFT: 1803 ry COMB
	RVL 21	Khabarovsk Met., SE, URS	1325-0200 ry or wx
	RXA 75	Alma Ata Meteo, KA, URS	FAX 60/576: 1650 analysis Ka- zakhstan
8090.0	NAM	USN Norfolk, VA, USA	CW
8094.7	'RFFVA'	FAF Paris, F	SITOR-A: 0158+2238 tfc
8094.8	HZJ	Jeddah Air, ARS	SITOR-A: 1500 "ch", 2058 msg
8097.5	HVD	PTT Vatican City, CVA	ARQ 96 Bd: A: 0820 opening svc msg to CUA 44; 1109+1452 to CUA 44 (VAP) B: 0819 ry
<u>8100.0 - 8195.0</u>			<u>FIXED + MARITIME MOBILE</u>
8100.0	NGR	USN Kato Soli, GRC	VFT: 1442+2102+2118 E nx
8101.0		coast + ship stns., ch 1	88B
	STK	Khartoum Air, SDN	1459-0620 ry or msg (SEA)
8104.0		coast + ship stns., ch 2	88B
8107.0		coast + ship stns., ch 3	88B
	OFA	Helsinki R, FIN	SITOR-A: 0732-1306 tts
8107.6	'RFQP'	FF Jibuti, DJI	SITOR-B: 1108+1115 msg
			ARQ 96 Bd: A: 1440-0523 msg or encrypted tfc after "KKKK..." or "contrôle de voie" to 'RFFA' (FKOA, QPB) B: 1438-0524 msg or msg (51gs) or encrypted tfc after "KKKK..." to 'RFFA' (FKOA, FKOB, QPA) FAX // 4053.5 kHz \$
8109.5	AOK	SN/USN Rota, E	88B
8110.0		coast + ship stns., ch 4	75 Bd: 1432 foxes
	VMA	RAAF Melbourne, VIC, AUS	88B
		R Moscow feeder, RU, URS	88B
8113.0		coast + ship stns., ch 5	88B
8116.0		coast + ship stns., ch 6	88B
8117.0	BMB	Taipei Meteo, TAI	CW
8118.0	9JZ	Lusaka Air, ZMB	0432 ry
8119.0		coast + ship stns., ch 7	88B
	FYE 5	DIPLO Paris, F	(hx 4059.5 kHz)
8122.0		coast + ship stns., ch 8	88B
	BAF 36	Beijing Meteo, CHN	FAX // 5527.0 kHz \$
8122.8	TNL	ASECNA Brazzaville, COG	1801-0613 ry or msg
8123.0	'D38'	French E Douala, CME	ARQ-E 48 Bd: 0517 msg to 'RFBW'
8124.0	6MK 67	YONHAP Seoul, KOR	FAX // 6983.0 kHz
8125.0		coast + ship stns., ch 9	88B

8125.0	RDZ 79	R Moscow feeder, RU, URS	SSB
8128.0		Czech E Belgrade, YUG	75 Bd: 1307 msgs to DMZ
8130.5	DFH 23L2	coast + ship stns., ch 10	SSB
		DW Cologne, D	1049 s. on with ry, 1125 to Cyclops
8131.0		coast + ship stns., ch 11	SSB
8132.0	DFH 23	PIAB Bonn, D	FEC-A 96 Bd: 1345 G nx
8134.0		coast + ship stns., ch 12	SSB
8134.5	FDY	FAF Orleans, F	CW
8135.0	'RBSL'	IN Bombay, IND	45 Bd: 0256 ry
8135.5	'U'	Beacon Murmansk, RU, URS	CW
8136.5	'HVQ 20'	VNA Hanoi, VTN	75 Bd: 0000 V nx
8137.0		coast + ship stns., ch 13	SSB
8137.5	7QZ 32	Lilongwe Air, MWI	0410+0435 ry
8140.0		coast + ship stns., ch 14	SSB
	CLN 219	PL Habana, CUB	0900 E nx
	FDY	FAF Orleans, F	CW
	RNN 51	TASS Moscow, RU, URS	0430+0500 E nx, 0600 P nx, 0800+1500+1600+1700+1800+1900+ 2000+2100 E nx 1900+2000 F nx
8142.5	OLX 4	CETEK Prague, TCH	SSB
8143.0		coast + ship stns., ch 15	0938 ry, 1300+1658 msgs (SMA)
8145.0	EIP	Shannon Air, IRL	SSB
8146.0		coast + ship stns., ch 16	FAX // 4777.5 kHz \$
8146.6	IMB 55	Rome Meteo, I	CW
8148.0	DVG 8	DM Frederikshavn, DNK	SSB
8149.0		coast + ship stns., ch 17	CW
8150.0	NPN	USN Apra Harbour, GUM	ARQ-E 96 Bd: 0858 msgs to 'RFGEED' (IVX)
	'RFFA'	MOD Paris, F	SSB
8152.0		coast + ship stns., ch 18	1000 E nx, 1145+1200 F nx
	HMF 86	KCNA Pyongyang, KRE	75 Bd: 0552+0602 ry, 0606 msg, 0735 msg (5fgs), 1605 msgs
8154.0	SNN 299	MFA Warsaw, POL	SSB
8155.0		coast + ship stns., ch 19	VFT: 1638-0509 ryi
	MKD	RAF Akrotiri, CYP	COMB
8158.0		coast + ship stns., ch 20	SSB
8160.0	HGX 21	MFA Budapest, HNG	1439 clg + tfc to HGX 22, into FEC
8161.0		coast + ship stns., ch 21	SSB
8161.4	AWC	Calcutta Air, IND	1326+2044-0137 ry
8164.0		coast + ship stns., ch 22	SSB
8165.0	5YD	Nairobi Air, KEN	1446-0534 ry or msgs (KSA)
8166.5	LQB 9	DyN Buenos Aires, ARG	FAX 60/288 LSB ISD: 0126+2140+ 2257 pix with S text
8167.0		coast + ship stns., ch 23	SSB
8167.5	LQB 9	Buenos Aires TS, ARG	CW
8169.9	HGX 21	MFA Budapest, HNG	1457 clg HGX 23
8170.0		coast + ship stns., ch 24	SSB
8173.0		coast + ship stns., ch 25	SSB
8175.0	JAE 58	KYODO Tokyo, J	0000-0100+0240-0410+1220-1250 E nx
	'DOR'	MFA Sofia, BUL	75 Bd: 0830 ry, msg
8176.0		coast + ship stns., ch 26	SSB
8177.0	BAC 38	PTT Beijing, CHN	1554-1828 ry or clg Prague
8179.0		coast + ship stns., ch 27	SSB
8180.0	UHD 2	Yuzhno-Skl. Meteo, FE, URS	CW
8182.0		coast + ship stns., ch 28	SSB
8185.0		coast + ship stns., ch 29	SSB
8187.0	FUF	FN Fort de France, MRT	CW
8188.0		coast + ship stns., ch 30	SSB

8189.0	TBO	TN Izmir, TUR	CW
8190.0	BLM 22	Chengdu Meteo, CHN	0041+0100 wx
8191.0		coast + ship stns., ch 31	SSB

8195.0 - 8815.0 MARITIME MOBILE

8195.0		ship stations, ch 801	SSB	QSX 8718.9 kHz
8198.1		ship stations, ch 802	SSB	QSX 8722.0 kHz
8201.2		ship stations, ch 803	SSB	QSX 8725.1 kHz
	DZ 2	Manila R, PHL	CW	
8204.3		ship stations, ch 804	SSB	QSX 8728.2 kHz
		DDSG Vienna R, AUT		
8207.4		ship stations, ch 805	SSB	QSX 8731.3 kHz
8210.5		ship stations, ch 806	SSB	QSX 8734.4 kHz
8213.6		ship stations, ch 807	SSB	QSX 8737.5 kHz
	WCM	Withamsville R, OH, USA		
8216.7		ship stations, ch 808	SSB	QSX 8740.6 kHz
8219.8		ship stations, ch 809	SSB	QSX 8743.7 kHz
8220.7		Italian E Ankara, TUR	SITOR-A:	0755 msg (51gs) + msg to Rome
8222.9		ship stations, ch 810	SSB	QSX 8746.8 kHz
8226.0		ship stations, ch 811	SSB	QSX 8749.9 kHz
8229.1		ship stations, ch 812	SSB	QSX 8753.0 kHz
8232.2		ship stations, ch 813	SSB	QSX 8756.1 kHz
8235.3		ship stations, ch 814	SSB	QSX 8759.2 kHz
8238.4		ship stations, ch 815	SSB	QSX 8762.3 kHz
8241.5		ship stations, ch 816	SSB	QSX 8765.4 kHz
	DVD 3	Manila R, PHL		
8244.6		ship stations, ch 817	SSB	QSX 8768.5 kHz
8247.7		ship stations, ch 818	SSB	QSX 8771.6 kHz
	DYS 2	Cebu R, PHL		
8250.8		ship stations, ch 819	SSB	QSX 8774.7 kHz
8253.9		ship stations, ch 820	SSB	QSX 8777.8 kHz
8257.0		ship stations, ch 821	SSB	QSX 8780.9 kHz
		(worldwide calling frequency)		
	worldwide	distress and safety frequency		
8260.1		ship stations, ch 822	SSB	QSX 8784.0 kHz
8263.2		ship stations, ch 823	SSB	QSX 8787.1 kHz
8266.3		ship stations, ch 824	SSB	QSX 8790.2 kHz
8268.4		Libreville Port R, GAB	SSB	
8269.4		ship stations, ch 825	SSB	QSX 8793.3 kHz
8272.5		ship stations, ch 826	SSB	QSX 8796.4 kHz
8275.6		ship stations, ch 827	SSB	QSX 8799.5 kHz
8278.7		ship stations, ch 828	SSB	QSX 8802.6 kHz
8281.2	HOR 24	REFPA Panama R, PNR	SSB	
		Port of Spain R, TRD	SSB	
		Roseau Port R, DMA	SSB	
8281.8		ship stations, ch 829	SSB	QSX 8805.7 kHz
8284.4	DZM 9	Manila R, PHL	SSB	
8284.9		ship stations, ch 830	SSB	QSX 8808.8 kHz
8288.0		ship stations, ch 831	SSB	QSX 8811.9 kHz
8291.0	PWZ	BN Rio de Janeiro, B	FAX \$	
8291.1	worldwide	coast and ship stations simplex frequency	SSB	
	CB./.	many DGTMM R stns., CHL		
	COB 36	Flota Cubana F R, CUB		
	CWC 30	UN La Paloma, URG		
	CWC 39	UN Montevideo, URG		
	CWF	Punta Carretas R, URG		
	DZW	Manila R, PHL		
	HAR 6	Budapest R, HNG		

8291.1	L..	many R stations, ARG	
	OAJ 7	TULSA Lima R, PRU	
	OAK 7	TULSA Salaverry R, PRU	
	OAN 7	LVV Lima R, PRU	
	OSU 40	Oostende R, BEL	
	PCG 45	Scheveningen R, HOL	
	PP.	many R stations, B	
	PYA 24	Iate Clube Guaiba R, B	
	PYE 38	Iate Clube Icarai R, B	
	TEC	Puntarenas R, CTR	
	9MG 32	Georgetown R, Pin. I., MLA	
		Antillana Salvage R, CUB	
8294.2	worldwide	coast and ship stations	SSB
		simplex frequency	
	CW./..	many UN stations, URG	
	C6L 8	Morton R, BAH	
	DZJ	Bulacan R, PHL	
	HAR 6	Budapest R, HNG	
	H4H 7	Honiara R, SLM	
	OCJ 2	CPV Callao R, PRU	
	OCK 5	CNP Lima R, PRU	
	OSU 47	Oostende R, BEL	
	PCG 46	Scheveningen R, HOL	
	9WH 20	Kota Kinabalu R, Sabah, MLA	
	9WW 20	Kuching R, Sarawak, MLA	
8297.6		ship stations, non-paired	
		ship stations	QX 8496.5 kHz (GKS 4)
8298.1		ship stations, non-paired	
8298.6		ship stations, non-paired	
8299.1		ship stations, non-paired	
8299.6		ship stations, non-paired	
		ship stations	QX 8556.0 kHz (SAB 44)
8320.0	'RBSWN'	IN Cochin, IND	2002 ry
8326.0	'98 OQJ'	SN Madrid, E	75 Bd: 0814 ry
8328.5		ship stations	QX 7892.5 kHz (SPW)
8334.0	GYA	RN London, G	FAX \$
8337.0		MFA Sofia, BUL	0953 msg (5fgs), msg
8344.0		ship stations, series 1	QX 8705.0 kHz
8344.5		ship stations, series 2	QX 8705.5 kHz
8345.0		ship stations, series 3	QX 8706.0 kHz
8345.5		ship stations, series 4	QX 8706.5 kHz
8346.0		ship stations, series 5	QX 8707.0 kHz
8346.5		ship stations, series 6	QX 8707.5 kHz
8347.0		ship stations, series 7	QX 8708.0 kHz
8347.5		ship stations, series 8	QX 8708.5 kHz
8348.0		ship stations, series 9	QX 8709.0 kHz
8348.5		ship stations, series 10	QX 8709.5 kHz
8349.0		ship stations, series 11	QX 8710.0 kHz
8349.5		ship stations, series 12	QX 8710.5 kHz
8350.0		ship stations, series 13	QX 8711.0 kHz
8350.5		ship stations, series 14	QX 8711.5 kHz
8351.0		ship stations, series 15	QX 8712.0 kHz
8351.5		ship stations, series 16	QX 8712.5 kHz
8352.0		ship stations, series 17	QX 8713.0 kHz
8352.5		ship stations, series 18	QX 8713.5 kHz
8353.0		ship stations, series 19	QX 8714.0 kHz
8353.5		ship stations, series 20	QX 8714.5 kHz
8354.0		ship stations, series 21	QX 8715.0 kHz
8354.5		ship stations, series 22	QX 8715.5 kHz
8355.0		ship stations, series 23	QX 8716.0 kHz
8355.5		ship stations, series 24	QX 8716.5 kHz
8356.0		ship stations, series 25	QX 8717.0 kHz

8356.5		ship stations, series 26	QX 8717.5 kHz
8357.0		ship stations, series 27	QX 8718.0 kHz
8357.5		ship stations, non-paired	
	worldwide	NBDPT distr. and safety f.	
8360.4		ship stations calling, ch 1	CW
8361.2		ship stations calling, ch 2	CW
8362.0		ship stations calling, ch 3	CW
8362.8		ship stations calling, ch 4	CW
8363.6		ship stations calling, ch 5	CW
8364.0		ship stations calling, ch 6	CW
	worldwide	survival craft stations fq.	SSB
8365.2		ship stations calling, ch 7	CW
8366.0		ship stations calling, ch 8	CW
8366.8		ship stations calling, ch 9	CW
8367.6		ship stations calling, ch 10	CW
8368.4		ship stations calling, ch 11	CW
8369.2		ship stations calling, ch 12	CW
8370.0		ship stations calling, ch 13	CW
8370.8		ship stations calling, ch 14	CW
8371.6		ship stations calling, ch 15	CW
8372.4		ship stations calling, ch 16	CW
8373.2		ship stations calling, ch 17	CW
8374.0		ship stations calling, ch 18	CW
8375.0	worldwide	DSC distress and safety f.	
8375.5	worldwide	ship stations DSC freq.	
8391.0	'98 OQJ'	SN Madrid, E	75 Bd: 1700 msg
8436.0	UCD	Valta R, UK, URS	CW
8436.5	ZSD 50	Durban R, AFS	CW
8437.0	JOS	Nagasaki R, J	CW
	PKC	Palembang R, INS	CW
	PKN	Balikpapan R, INS	CW
	PKY 2	Biak R, INS	CW
	4XZ	IN Haifa, ISR	CW
	7TA 6	El Djaza'ir R, ALG	CW
8439.0	DAB	Norddeich R, D	CW
	DZD 9	Quezon City R, PHL	CW
	PBC 38	DN Goeree Island, HOL	75 Bd: 24 h ry
8440.0	VCS	CCG Halifax, NS, CAN	CW
	YIR	Basrah Control R, IRQ	CW
8440.6	UAT	Moscow R, RU, URS	CW
8441.0	C6N	Nassau R, BAH	CW
	YXR 7	Rangoon R, BRM	CW
	9YL	North Post R, TRD	CW
	'98 OQJ'	SN Madrid, E	75 Bd: 0934 clg + msg (wx) to '95 XRA'
8441.4	5ZF 2	Mombasa R, KEN	CW
	7OA	Aden R, YMS	CW
	9HD	Valetta R, MLT	CW
8443.0	DYE 6	Cebu R, PHL	CW
	VFF	CCG Frobisher B., NWT, CAN	CW
	Y5M	Rügen R, DDR	CW
8444.5	KFS	San Francisco R, CA, USA	CW
8445.0	A4M	Muscat R, OMA	CW
	KFS	San Francisco R, CA, USA	CW
	PK. .	many R stations, INS	CW
	S7Q	Victoria R, Mahe, SEY	CW
	WLO	Mobile R, AL, USA	CW
	XSX	Keelung R, TAI	CW
	YUR 4	Rijeka R, YUG	CW
	9PA	Banana R, ZAI	CW
8445.5	WLO	Mobile R, AL, USA	CW
8446.0	UFM 3	Nevelsk R, FE, URS	CW

8446.0	UQK	Riga R, LA, URS	CW	
8447.0	DZC 4	Makati R, PHL	CW	
	L2C	Buenos Aires R, ARG	CW	
	L2X	Comodoro Rivadavia R, ARG	CW	
	'98 OQJ'	SN Madrid, E	75 Bd: 0630+1830 clg + msg (wx) to '95 XRA'	
8448.0	A9M	Hamala R, BHR	CW	
8449.0	LPC 46	Ushuaia R, ARG	CW	
	TJC 6	Douala R, CME	CW	
	ZKR	Avarua R, Rarotga. I., CKH	CW	
	ZSC 22	Capetown R, AFS	CW	
	BRB	Demerara R, GUY	CW	
	'RXDB'	RN London, G	75 Bd: 0206 ryi	
8449.3	8PD	Bridgetown R, BRB	CW	
8449.4	VRT	Hamilton R, BER	CW	
8450.0	5AB	Benghazi R, LBY	CW	
	6YX	JCB Kingston, JMC	CW	
8451.0	D..	many R stations, PHL	CW	
	HAR	Budapest R, HNG	CW	
	UFH	Petropavl.-Km. R, FE, URS	CW	
	XSG 4	Shanghai R, CHN	CW	
8452.0	VIS 35	Sydney R, NSW, AUS	CW	
8453.0	CBV	DGTHMM Valparaiso R, CHL	CW	
	HWN	FN Paris, F	CW	
	TNA 8	Pointe-Noire R, COG	CW	
	VAI	CCG Vancouver, BC, CAN	CW	
	WLO	Mobile R, AL, USA	CW	
	XSM	Xiamen R, CHN	CW	
8454.0	A9M	Hamala R, BHR	CW	
	UJY	Kaliningrad R, RU, URS	24 h ry or R tts wtscs, Q8X 12624.0 kHz	
8454.5	SVG 4	Athens R, GRC	FAX 120/576: 0845 test, 0849 ASMM LGMC 0000, 0903 surface prognosis	
8455.0	XSQ	Guangzhou R, CHN	CW	
8456.0	ROT	SN Moscow, RU, URS	1835+1850 R tts wtscs, Q8Y 6445.0 kHz	
8457.0	EDG 3	Aranjuez R, E	CW	
	LSA 4	Boca R, ARG	CW	
	NMA	USCG Miami, FL, USA	75 Bd: 0130+1830+2130 wx	
	OFJ 82	Helsinki R, FIN	CW	
	PKG	Banjarmasin R, INS	CW	
	PKP	Dumai R, INS	CW	
	PKY 5	Merauke R, INS	CW	
	XSP	Shantou R, CHN	CW	
8458.0	HAR	Budapest R, HNG	CW	
	'98 OQJ'	SN Madrid, E	75 Bd: 0407+0733+0813+1121 clg '95 XRA', 2114 msg	
8459.0	NOJ	USCG Kodiak, ALS	FAX // 4298.0 kHz \$	
	YQI 4	Constanta R, ROU	CW	
8460.0	LZW 4	Varna R, BUL	CW	
	PPJ	Juncao R, B	CW	
	UJY	Kaliningrad R, RU, URS	2000 R tts wtscs	
	ZSD	Beijing R, CHN	FAX \$	
8460.5	PPJ	Juncao R, B	CW	
	PPL	Belem R, B	CW	
8461.0	CBV	DGTHMM Valparaiso R, CHL	CW	
	CUB	Funchal R, MDR	CW	
	CUG	Ponta Delgada R, AZR	CW	
	FJA 8	Papeete R, Tahiti, OCE	CW	

8461.0	PKD	Surabaya R, INS	CW
	PKR	Semarang R, INS	CW
	PKY 4	Sorong R, INS	CW
	YVG	La Guayra R, VEN	CW
	ZSC 42	Capetown R, AFS	CW
8461.5	SOZ 23	Port Harcourt R, NIG	CW
8462.0	SXV 8	GN Spata, GRC	SITOR-A: 0005 Greek tts
8463.0	CKN	CF Vanvouver, BC, CAN	CW
	JOU	Nagasaki R, J	CW
	Y5M	Rügen R, DDR	CW
8465.0	NMN	USCG Portsmouth, VA, USA	CW
	OBC 3	Callao R, PRU	CW
	TUA 4	Abidjan R, CTI	CW
	5BA	Nicosia R, CYP	CW
	5RS	Toamasina R, MDG	CW
	6YI	Kingston R, JMC	CW
	'98 OQJ'	SN Madrid, E	75 Bd: 24 h ry or clg '95 XRA' or msg
8466.0	HAR	Budapest R, HNG	CW
	HSC 62	Bangkok Port R, THA	CW
	UJY	Kaliningrad R, RU, URS	CW
8467.5	JJC	Tokyo R, J	FAX // 4316.0 kHz
8469.0	CUL 8	Lisbon R, POR	CW
	D4A 6	Mindelo R, S. Vicente, CPV	CW
	D4D	Praia R, Santiago, CPV	CW
	EQ.	many R stations, IRN	CW
	XXG	Macao R, MAC	CW
8470.0	XFL	Mazatlan R, MEX	CW
	XVG 9	Hai Phong R, VTN	CW
	ZRQ 4	SAN Capetown, AFS	CW
8471.0	EQZ	IORC Abadan R, IRN	CW
	NMR	USCG San Juan, PTR	CW
	RMP	SN Kaliningrad, RU, URS	CW
	UXN	Arkhangelsk R, RU, URS	0900 R ry, 0913+1233 R tts wtscs
8472.0	LZL 4	Bourgas R, BUL	CW
	TEC	Puntarenas R, CTR	CW
	YKI	SCOTC Tartus R, SYR	CW
8473.0	EDF 3	Aranjuez R, E	CW
	HLG	Soul R, KOR	CW
	PKE	Amboina R, INS	CW
	PKS	Pontianak R, INS	CW
	SUP	Port Said R, EGY	CW
	UNM 2	Klaipeda R, LI, URS	CW
	WPD	Tampa R, FL, USA	CW
	4PB	Colombo R/TS, SLK	CW
8473.5	A7D	Doha R, QAT	CW
8474.0	HCG	Guayaquil R, EQA	CW
8474.5	WLO	Mobile R, AL, USA	CW
8475.5	FUX	FN Le Port, REU	CW
8476.0	DUF	Manila R, PHL	CW
	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	UAH	Tallinn R, ES, URS	CW
	9VG 56	Singapore R, SNG	CW
8478.0	CBV	DBTMM Valparaiso R, CHL	CW
	OST 4	Oostende R, BEL	CW
	TIM	Limon R, CTR	CW
	VIX 4	RAN Canberra, ACT, AUS	CW
8478.5	FUF	FN Fort de France, MRT	CW
8479.0	JCU	Choshi R, J	CW

8480.0	HZY PW. TIM UAT	ARAMCO Ras Tanura R, ARS many BN stations, B Limon R, CTR Moscow R, RU, URS	CW CW CW 0731 R tts wtsca CW
	XUK 3 5AL	Kompong Som Ville R, KMP ARGOIL Tobruk R, LBY	CW CW
8482.0	OMP 41 SPH 41	Prague R, TCH Gdynia R, POL	CW CW
8483.5	DAN	Norddeich R, D	CW
8484.0	DUS HLJ	Manila R, PHL Soul R, KOR	CW CW
8484.5	HZG XSE	Dammam R, ARS Qinhuangdao R, CHN	CW CW
8485.0	UFN	Novorossiysk R, RU, URS	1346-0319 R ry or tts wtsca CW
	4XO	Haifa R, ISR	CW
8486.0	IDQ	IN Rome, I	CW
8487.0	VID XSG 26	Darwin R, NT, AUS Shanghai R, CHN	CW CW
8488.0	DUN	PN Manila, PHL	CW
8489.0	CLS	Habana F R, CUB	CW
8490.0	AQP 5 CUL 7 NMF	PN Karachi, PAK Lisbon R, POR USCG Boston, MA, USA	CW CW SITOR-B: 0200 wx
	QBF 4 XSQ 4	Mollendo R, PRU Guangzhou R, CHN	CW CW
	50Z 23	Port Harcourt R, NIG	CW
8492.0	JNA PPR	Tokyo R, J Rio de Janeiro R, B	CW CW
	9MG 2	Georgetown R, Pin. I., MLA	CW
8493.0	TBA 4	TN Ankara, TUR	CW
8493.3	GYA	RN London, G	75 Bd: 24 h test
8494.0	NUD	USN Adak, ALS	FAX // 2122.0 kHz \$
8494.6	GZZ 40	RN London, G	FAX // 2813.6 kHz \$ CW
8495.0	RIW	SN Khiva, UZ, URS	CW
8496.0	CLA 20 DUW	Habana R, CUB Manila R, PHL	CW CW
	50Z 23	Port Harcourt R, NIG	CW
8496.5	GKS 4	Portishead R, G	scheduled; QSX 8297.6 kHz
8497.0	HLJ	Soul R, KOR	CW
8498.0	SAG 4	Goeteborg R, S	CW
8500.0	UAT 'RBSL'	Moscow R, RU, URS IN Bombay, IND	2118 R tts wtsca 1522-0207 ry or wx
8502.0	IQX NIK	Trieste R, I USCG Boston, MA, USA	CW FAX 120/576: 1600 ice chart CW
	PPL	Belem R, B	CW
	WKM	West Haven R, CT, USA	CW
	XSG	Shanghai R/TS, CHN	CW
	YJM 8	Port-Vila R, Efate I., VUT	CW
	ZSC 37	Capetown R, AFS	CW
8504.0	DYD 8 TBO 4 ZLB 4	Bacolod R, PHL TN Izmir, TUR Awarua R, NZL	CW CW CW
8505.0	XFK	La Paz R, MEX	CW
8505.8	XSX	Keelung R, TAI	CW
8506.0	NGR	USN Kato Soli, GRC	FAX // 4053.5 kHz \$
	UDH	Riga R, LA, URS	CW
8508.0	KLC	Galveston R, TX, USA	CW
	NKW	USN Diego Garcia, BIO	FAX // 3379.5 kHz \$

8510.0	FFS 4	Saint Lys R, F	CW	
	J2A 8	Jibuti R, DJI	CW	
	UKK 3	Nakhodka R, SE, URS	CW	
	VWV	Vishakhapatnam R, IND	CW	
8511.0	XSW	Kaohsiung R, TAI	CW	
8511.9	DAL	Norddeich R, D	CW	
8512.0	DZY 7	Manila R, PHL	CW	
8513.0	HLH	Kangnung R, KOR	CW	
8514.0	VWB	Bombay R, IND	CW	
	XFA	Acapulco R, MEX	CW	
	XSQ	Guangzhou R, CHN	CW	
8515.0	P2M	Port Moresby R, PNG	CW	
	P2R	Rabaul R, PNG	CW	
	UFL	Vladivostok R, SE, URS	CW	
	5AT	Tripoli R, LBY	CW	
8516.0	CLS	Habana F R, CUB	CW	
	GKC 4	Portishead R, G	CW	
8516.3	SXE	HCG Elevisis, GRC	CW	
8518.0	ELC	Monrovia R, LBR	CW	
8520.0	DZB 7	Malabon R, PHL	CW	
8520.1	PPD	Olinda R, B	CW	
8521.0	VIS 26	Sydney R, NSW, AUS	CW	
8522.0	CBV	DGTMM Valparaiso R, CHL	CW	
	9WW 20	Kuching R, Sarawak, MLA	CW	
8522.5	FFL 4	Saint Lys R, F	CW	
8523.0	RIW	SN Khiva, UZ, URS	CW	
8523.4	JDR	Nagasaki R, J	CW	
8523.5	CTW 8	PN Lisbon, POR	CW	
8524.0	DZW	Manila R, PHL	CW	
8525.0	WNU	Slidell R, LA, USA	CW	
	9KK 6	Safat R, KWT	CW	
8526.0	VVC	Calcutta R, IND	CW	
8526.5	CTW 8	PN Lisbon, POR	75 Bd: 0000+0800+2000 wx	
8527.0	OBV 2	Paita R, PRU	CW	
8527.5	LFN	Rogaland R, NOR	CW	
8528.0	JYO	Aqaba R, JOR	CW	
	L2E	Buenos Aires R, ARG	CW	
	L2B	Mar del Plata R, ARG	CW	
	L2X	Comodoro Rivadavia R, ARG	CW	
8528.5	EBA	SN Madrid, E	75 Bd: 1000+1700 ry, navigatio- nal warnings	
	UFB	Odessa R, UK, URS	CW	
8529.5	PWZ	BN Rio de Janeiro, B	0325 msg, ry; 0413 ry	
8530.0	IAR 28	Rome R, I	CW	
	PWZ	BN Rio de Janeiro, B	CW	
	SVJ 4	Athens R, GRC	CW	
	XSK	Beihai R, CHN	CW	
	9VG 25	Singapore R, SNG	CW	
8532.0	LZW 42	Varna R, BUL	CW	
8534.0	EQL	Anzali R, IRN	CW	
	EQO	Nowshahr R, IRN	CW	
	EQP	Golmankhaneh R, IRN	CW	
	J..	many R stations, J	CW	
	WKM	West Haven R, CT, USA	CW	
	ZPK	Asuncion R, PRG	CW	
	3VP 7	Sakhira R, TUN	CW	
8536.0	DVY 2	Manila R, PHL	CW	
	DZE	Mandaluyong R, PHL	CW	
8536.5	SVD 4	Athens R, GRC	CW	
8539.0	VPS 35	Victoria Island R/TS, HKG	CW	
8540.0	DZD 3	Manila R, PHL	CW	

8540.0	OBT 2	Talara R, PRU	CW	
8541.0	CLJ	Habana R, CUB	CW	
	URB 2	Klaipeda R, LI, URS	0250 R tts wtsca	
	XSJ	Zhanjiang R, CHN	CW	
8542.0	PKX	Jakarta R, INS	CW	
	PWZ	BN Rio de Janeiro, B	CW	
	98A	Takoradi R, GHA	CW	
8545.0	DZF	Bacoar R, PHL	CW	
8545.9	GKA 4	Portishead R, G	CW	
8546.0	OB.	many R stations, PRU	CW	
	UHK	Batumi R, GE, URS	CW	
	XST	Qingdao R, CHN	CW	
	XSY	Hualien R, TAI	CW	
	9PA	Banana R, ZAI	CW	
8546.1	KLB	Seattle R, WA, USA	CW	
8548.0	DZF	Bacoar R, PHL	CW	
	PPD	Olinda R, B	CW	
8549.0	UXN	Arkhangelsk R, RU, URS	0536+1340+1513 R tts wtsca	
			CW	
8550.0	FFT 4	Saint Lys R, F	CW	
	PWZ	BN Rio de Janeiro, B	CW	
8551.6	CTP	NATO Lisbon, POR	CW	
8552.0	GKK 4	Portishead R, G	CW	
	UXN	Arkhangelsk R, RU, URS	SITOR-A: 1300+1508 R tts wtsca	
			CW	
8554.0	3BA 4	Port Louis R, MAU	CW	
8555.0	TBB 7	TN Ankara, TUR	CW	
	UFH	Petropavl.-Km. R, FE, URS	CW	
8556.0	DZP	Novaliches R, PHL	CW	
	SAB 44	Goeteborg R, S	SITOR-A: 24 h tts, QSX 8299.6 kHz	
			SITOR-B: 1700 Swedish nx	
8556.5	HZG	Dammam R, ARS	CW	
8557.0	SPE 41	Szczecin R, POL	CW	
	UGH 2	Juzno R, FE, URS	CW	
8558.4	KFS	San Francisco R, CA, USA	CW	
8559.5	GKB 4	Portishead R, G	CW	
8562.0	PCH 40	Scheveningen R, HOL	CW	
	XFE	Ensenada R, MEX	CW	
8562.5	XFB	Ciudad del Carmen R, MEX	CW	
8564.0	DVZ 6	Malabon R, PHL	CW	
	LZL 4	Bourgas R, BUL	CW	
8565.0	D3E 51	Luanda R, AGL	CW	
8566.0	ZSJ 4	SAN Capetown, AFS	CW	
8567.0	XDA	Mexico City R, MEX	CW	
8568.5	XFM	Manzanillo R, MEX	CW	
8569.0	GKD 4	Portishead R, G	CW	
8570.0	UPB	Provideniya R, FE, URS	CW	
	WNU	Slidell R, LA, USA	CW	
	XVT 5	Da Nang R, VTN	CW	
8571.0	UFN	Novorossiysk R, RU, URS	CW	
8572.0	DZD	Antipolo R, PHL	CW	
	TBA 7	TN Ankara, TUR	CW	
	STA	Nouadhibou R, MTN	CW	
8573.0	CLA 21	Habana R, CUB	CW	
	UKW 3	Korsakov R, FE, URS	CW	
8573.5	HSA 4	Bangkok R, THA	CW	
8573.9	SRS	Toamasina R, MDG	CW	
8574.0	HKC	Buenaventura R, CLM	CW	
	LGB	Rogaland R, NOR	CW	
	NMC	USCG San Franc., CA, USA	CW	

8574.0	XSU	Yantai R, CHN	CW
8575.0	URD	Leningrad R, RU, URS	CW
8575.5	XDA	Mexico City R, MEX	CW
8576.0	DZZ	Manila R, PHL	CW
	RCV	SN Moscow, RU, URS	CW
8576.5	ZSD 45	Durban R, AFS	CW
8577.0	HLO	Soul R, KOR	CW
		Abu Safa Oilfield, ARS	0417 msg to Ras Tanura
8578.0	CW./..	many UN stations, URG	CW
	SUH 3	Alexandria R, EGY	CW
8580.0	DZO	Bulacan R, PHL	CW
	UDK 2	Murmansk R, RU, URS	0630+2308 R tts wtsca
8580.5	GKN 4	Portishead R, G	CW
	XFC	Cozumel R, MEX	CW
8581.6	GKM 4	Portishead R, G	CW
8582.0	NRV	USCG Apra Harbour, GUM	CW
	XSN	Ningbo R, CHN	CW
	XSW	Kaohsiung R, TAI	CW
8582.5	GKO 4	Portishead R, G	CW
	KLB	Seattle R, WA, USA	CW
8584.0	DZN	Navotas R, PHL	CW
	KOP	Iright Klingenfuss, D	CW
	VPS 36	Victoria Island R, HKG	CW
	Y5M	Rügen R, DDR	CW
8585.0	KUQ	Pago Pago R, SMA	CW
8586.0	WCC	Chatham R, MA, USA	CW
	XSO	Wenzhou R, CHN	CW
8588.0	4WD 3	Hodeidah R, YEM	CW
8589.0	HPP	Panama R, PNR	CW
8590.0	FUE	FN Brest, F	75 Bd; 0758 clg FAAC, 0800 en- cryptd tfc after "hotel alfa 0800z"
	XVS 8	Ho Chi Minh Ville R, VTN	CW
8590.5	XDA	Mexico City R, MEX	CW
8591.5	GKG 4	Portishead R, G	CW
8592.0	DZK	Bulacan R, PHL	CW
8593.0	UFB	Odessa R, UK, URS	CW
8594.0	CCS	CN Santiago, CHL	FAX // 4766.0 kHz \$
8595.0	UFL	Vladivostok R, SE, URS	CW
8595.5	VWA 1	Ramnagar Port R, IND	CW
	XFP	Chetumal R, MEX	CW
	9MG 2	Georgetown R, Pin. I., MLA	CW
8596.0	DVM 2	Makati R, PHL	CW
8597.0	VIP 3	Perth R, WA, AUS	CW
8598.0	OXZ 4	Lyngby R, DNK	CW
	XSL	Fuzhou R, CHN	CW
8598.4	ZLO	RNZN Waiouru, NZL	CW
8600.0	DXF	Davao R, PHL	CW
	ELH	Harbel R, LBR	CW
	URD	Leningrad R, RU, URS	0749+0756+0858+2056 R tts wtsca
	XSV	Tianjin R, CHN	CW
8601.5	HEB	Berne R, SUI	CW
8602.0	CWA	Cerrito R, URG	CW
8602.5	HPP	Panama R, PNR	CW
8604.0	GKH 4	Portishead R, G	CW
8604.5	DZJ	Bulacan R, PHL	CW
8606.0	CBV	DGTHMM Valparaiso R, CHL	CW
	ELZ	Cape Palmas R, LBR	CW
	GKI 4	Portishead R, G	CW
8607.0	LZW 43	Varna R, BUL	CW
	UBN	Zhdanov R, UK, URS	1300 ry

FREQUENCY LIST 99

8608.0	DZA	Mandaluyong R, PHL	CW	
8608.5	YSM	Rügen R, DDR	0200+1030+1330+2100 G nx	
8609.0	CLJ	Habana R, CUB	CW	
8609.5	9VG 73	Singapore R, SNG	CW	
8610.0	UXN	Arkhangelsk R, RU, URS	CW	
	WMH	Baltimore R, MD, USA	CW	
	XSO 4	Zhoushan R, CHN	CW	
8611.5	TAH	Istanbul R, TUR	CW	
8613.0	XFY	Guaymas R, MEX	CW	
8613.2	GYC 4	RN London, G	CW	
8614.0	JSJ	Zhanjiang R, CHN	CW	
	ZPK	Asuncion R, PRG	CW	
8615.5	WPD	Tampa R, FL, USA	CW	
8616.0	DYV 9	Victorias R, PHL	CW	
	HAR	Budapest R, HNG	CW	
8617.0	XSV	Tianjin R, CHN	CW	
8618.0	EDZ 4	Aranjuez R, E	CW	
	ETC	Assab R, ETH	CW	
	KPH	San Francisco R, CA, USA	CW	
	UJO 5	Izmail R, UK, URS	CW	
8619.0	VRN 35	Victoria Island R, HKG	CW	
8620.0	DYP	Cebu R, PHL	CW	
	PWL	BN Ladario, B	CW	
	UBN	Zhdanov R, UK, URS	CW	
	UMV	Murmansk R, RU, URS	1512 R tts wtsca	
8621.0	XFN	Progreso R, MEX	CW	
8622.0	PCH 41	Scheveningen R, HOL	CW	
	XSF	Lianyungang R, CHN	CW	
8623.0	SBA	Nicosia R, CYP	CW	
8624.0	XSQ	Guangzhou R, CHN	CW	
8625.0	FUM	FN Papeete, Tahiti, OCE	CW	
	YKM 7	Lattakia R, SYR	CW	
8625.2	GYU	RN Gibraltar, GIB	CW	
8626.0	OXZ 41	Lyngby R, DNK	CW	
	PK. ..	many R stations, INS	CW	
	XDA	Mexico City R, MEX	CW	
8627.5	OMC	Bratislava R, TCH	CW	
	OMK	Komarno R, TCH	CW	
	OMP 4	Prague R, TCH	CW	
8628.5	NOJ	USCG Kodiak, ALS	CW	
8629.0	XSD	Yingkou R, CHN	CW	
8630.0	A7D	Doha R, QAT	CW	
	UVD	Magadan R, FE, URS	CW	
	VWB	Bombay R, IND	CW	
	WCC	Chatham R, MA, USA	CW	
8630.8	9MB 4	MN Georgetown, Pg. I., MLA	CW	
8631.0	XFO	Salina Cruz R, MEX	CW	
8631.8	XSW	Kaohsiung R, TAI	CW	
8632.0	DYV	Iloilo R, PHL	CW	
8634.0	PPR	Rio de Janeiro R, B	CW	
	SPH 42	Gdynia R, POL	CW	
	S9M	Sao Tome R, STP	CW	
	VTG 6	IN Bombay, IND	CW	
	XSH	Basuo R, CHN	CW	
8635.0	UJQ	Kiyev R, UK, URS	2038 R tts wtsca	
8636.0	DZU	Pasig R, PHL	CW	
	HLW	Soul R, KOR	CW	
8638.5	DAM	Norddeich R/TS, D	CW	
8640.0	NGR	USN Kato Soli, GRC	FAX // 4053.5 kHz \$	
8641.0	HIW 7	Boca Chica Pilot R, DOM	CW	
	HIW 8	Puerto Plata Pilot R, DOM	CW	

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8642.0	CTV 8	PN Lisbon, POR	CW
	C9C 6	MN Maputo, MOZ	CW
	D4A 7	Mindelo R, S. Vicente, CPV	CW
	HIA	Sto. Domingo Pilot R, DOM	CW
	KPH	San Francisco R, CA, USA	CW
8643.5	UFB	Odessa R, UK, URS	1304+1449+1516 R tts wtsca
8644.0	PWZ	BN Rio de Janeiro, B	CW
8644.1	WWD	San Diego R, CA, USA	FAX \$
8645.0	UAT	Moscow R, RU, URS	1510 R tts wtsca
	XSA 2	Nanjing R, CHN	CW
8645.5	KWX	NWS Lewes, DE, USA	FAX // 2614.4 kHz \$
	'S'	Beacon Arkhangelsk, RU, URS	CW
8646.0	LPD 86	General Pacheco R, ARG	CW
	SAB 4	Goeteborg R, S	CW
	VTP 6	IN Vishakhapatnam, IND	CW
	'C'	Beacon Moscow, RU, URS	CW
8646.2	'P'	Beacon Kaliningrad, RU, URS	CW
8647.0	'D'	Beacon Odessa, UK, URS	CW
8647.5	JDC	Choshi R, J	CW
8648.0	DHJ 59	GN Wilhelmshaven, D	CW
	DZH	Manila R, PHL	CW
	'O'	Beacon Moscow, RU, URS	CW
8649.5	ICB	Genova R, I	CW
8650.0	NMO	USCG Honolulu, HWA	CW
	SPE 42	Szczecin R, POL	CW
8651.0	HZG	Dammam R, ARS	CW
	XSI	Sanya R, CHN	CW
8652.0	DYD 2	Cebu R, PHL	CW
	OST 42	Oostende R, BEL	CW
	STP	Port Sudan R, SDN	CW
8652.5	PZN 3	Paramaribo R, SUR	CW
8653.0	UAT	Moscow R, RU, URS	1616 R tts wtsca
8653.6	JCS	Choshi R, J	CW
8654.4	PCH 42	Scheveningen R, HOL	CW
8656.0	DZM	Bulacan R, PHL	CW
	IAR 38	Rome R, I	CW
	XFU	Veracruz R, MEX	CW
8657.0	FUJ	FN Noumea, NCL	CW
8658.0	ASK	Karachi R, PAK	CW
	S3E	Khulna R, BGD	CW
8659.5	KLC	Galveston R, TX, USA	CW
8660.0	DZJ	Bulacan R, PHL	CW
	Y5M	Rügen R, DDR	CW
8662.0	TAH	Istanbul R, TUR	CW
	TCR	TURBAN Istanbul R, TUR	CW
8664.0	DZH 2	Manila R, PHL	CW
	WSC	Tuckerton R, NJ, USA	CW
8665.0	XSG 3	Shanghai R, CHN	CW
8666.0	FUG	FN La Regine, F	CW
	KLC	Galveston R, TX, USA	CW
8666.4	SPH 43	Gdynia R, POL	CW
8667.0	YKM 5	SCOT Baniyas Port R, SYR	CW
8668.0	DVM 4	Manila R, PHL	CW
	DXD 9	Davao R, PHL	CW
8669.5	'U'	Beacon Murmansk, RU, URS	CW
8670.0	ASK	Karachi R, PAK	CW
	IAR 8	Rome R, I	CW
	PW.	many BN stations, B	CW
8671.0	XSK 4	Haimen R, CHN	CW
8672.0	DZI	Bacoar R, PHL	CW
8672.5	DAF	Norddeich R, D	CW
8674.0	ZPK	Asuncion R, PRG	CW

8674.4	VWM	Madras R, IND	CW	
8675.0	QUB	Kholmsk R, FE, URS	CW	
8676.0	DYM	Cebu R, PHL	CW	
8678.0	LFB	Rogaland R, NOR	CW	
	SPH 44	Gdynia R, POL	CW	
	XSZ	Dalian R, CHN	CW	
	ZLP 4	RNZN Waiouru, NZL	CW	
8679.0	IQX	Trieste R, I	CW	
8679.5	CCS	CN Santiago, CHL	2320 msg to CCES	
8680.0	DYE 9	Cebu R, PHL	CW	
	QUB	Kholmsk R, FE, URS	CW	
	WSC	Tuckerton R, NJ, USA	CW	
	XUK 3	Kompong Som Ville R, KMP	CW	
8681.0	SVI 4	Athens R, GRC	CW	
8682.0	EAD 3	Aranjuez R, E	CW	
	J2A 8	Jibuti R, DJI	CW	
	NMC	USCG San Francisco, CA, USA	FAX // 4346.0 kHz \$	
8683.5	LFB 2	Rogaland R, NOR	CW	SITOR-A: 0349-2035 tts
			CW	
8684.0	SKJ 4	Portishead R, G	CW	
	LZL 4	Bourgas R, BUL	CW	
8685.0	IRM	CIRM Rome, I	CW	
8686.0	CNP	Casablanca R, MRC	CW	
	C2N	Makwa R, NRU	CW	
	HSA 2	Bangkok R, THA	CW	
	JCT	Choshi R, J	CW	
	PK. .	many R stations, INS	CW	
	WMH	Baltimore R, MD, USA	CW	
8687.0	SVA 4	Athens R, GRC	CW	
8687.6	URD	Leningrad R, RU, URS	CW	
8688.0	DUN	PN Manila, PHL	CW	
	WNU	Slidell R, LA, USA	CW	
	9VB 36	Singapore R, SNG	CW	
8688.5	ZSC 6	Capetown R, AFS	CW	
8690.0	FJY 4	Martin de Vivies R, AMS	CW	
	SVF 4	Athens R, GRC	CW	
	TFA	Reykjavik R, ISL	CW	
	UMV	Murmansk R, RU, URS	CW	
	XF. .	many PEMEX R stations, MEX	CW	
	3DP	Suva R, FJI	CW	
	6VA 5	Dakar R, SEN	CW	
8692.0	DZO 9	Manila R, PHL	CW	
8692.5	SVF 4	Athens R, GRC	CW	
8694.0	ASK	Karachi R, PAK	CW	
	D3E 52	Luanda R, AGL	CW	
	PJC	Willemstad R, Curacao, ATN	CW	
	PKM	Bitung R, INS	CW	
	PNK	Jayapura R, INS	CW	
	S3D	Chittagong R, BGD	CW	
	XSZ	Dalian R, CHN	CW	
	XVN 3	Nha Trang R, VTN	CW	
	4XO	Haifa R, ISR	CW	
8695.1	UHK	Batumi R, GE, URS	1338 R tts wtsca	
			CW	
8696.0	CBM	DBTMM Magallanes R, CHL	CW	
	DZN 4	Manila R, PHL	CW	
	YSM	Rügen R, DDR	CW	
	ZAD 2	Durres R, ALB	CW	
	9BX	Tema R, GHA	CW	
8697.0	CFH	CF Halifax, NS, CAN	CW	
8698.0	C9L 2	Maputo R, MOZ	CW	

8698.0	C9L 6	Mocambique R, MOZ	CW
	EQM	Bushire R, IRN	CW
	EQN	Khomeini R, IRN	CW
	EQQ	Khark R, IRN	CW
	FJP 8	Noumea R, NCL	CW
	J..	many R stations, J	CW
	UDK 2	Murmansk R, RU, URS	CW
	50W 8	Lagos R, NIG	CW
	9MG 2	Georgetown R, Pin. I., MLA	CW
8700.0	YUR 3	Rijeka R, YUG	CW
8700.4	HKB	Barranquilla R, CLM	CW
8701.0	UNM 2	Klaipeda R, LI, URS	0752+0800+2125 R tts wtsca
8702.0	CLA 22	Habana R, CUB	CW
	LST 9	YPF Buenos Aires R, ARG	CW
	LSU 5	YPF Cadr. Rivadavia R, ARG	CW
	ODR 3	Beirut R, LBN	CW
	XSR	Haikou R, CHN	CW
	JAC 18	Monte Carlo R, MCO	CW
8704.0	DVZ 9	Navotas R, PHL	CW
	SVB 4	Athens R, GRC	CW
8705.0		coast stations, series 1	Q8X 8344.0 kHz
	DCN	Norddeich R, D	scheduled
	KFS	San Francisco R, CA, USA	scheduled
	KOP	Iright Klingenfuss, D	scheduled
	UHK	Batumi R, GE, URS	scheduled
	UNM 2	Klaipeda R, LI, URS	scheduled
	9MG 15	Georgetown R, Pin. I., MLA	scheduled
8705.5		coast stations, series 2	Q8X 8344.5 kHz
	GKE 4	Portishead R, B	SITOR-A: 24 h tts
			SITOR-B: 0900 tfc list, 2100
			schedule
			CW
	UMV	Murmansk R, RU, URS	scheduled
	WNU	Slidell R, LA, USA	scheduled
			CW
	ZLW	Hellington R, NZL	scheduled
8706.0		coast stations, series 3	Q8X 8345.0 kHz
	KFS	San Francisco R, CA, USA	scheduled
			CW
	OST 46	Oostende R, BEL	scheduled
	SPA	Bdynia R, POL	SITOR-A: 2306 tts
			CW
	XSV	Tianjin R, CHN	scheduled
	3CA 7	Malabo R, GNE	CW
8706.5		coast stations, series 4	Q8X 8345.5 kHz
	DCN	Norddeich R, D	scheduled
	IAR	Rome R, I	SITOR-A: 0537-1910 tts
			CW
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0150+0330 R tts wtsca
			CW
8707.0		coast stations, series 5	Q8X 8346.0 kHz
	HZG	Danzan R, ARS	scheduled
	J2A	Jibuti R, DJI	scheduled
	LGB 2	Rogaland R, NOR	SITOR-A: 0801-2114 tts
			SITOR-B: 0700+1700 N nx, 1720
			tfc list, 1900 N nx
			CW
	SPB	Szczecin R, POL	CW
	WLO	Mobile R, AL, USA	SITOR-A: 0008+0127 tts
			SITOR-B: 0000+0530+2230 wx
			CW
	5RS	Toamasina R, MDG	scheduled

8707.5		coast stations, series 6	Qsx 8346.5 kHz
	IAR	Rome R, I	scheduled
	OFA	Helsinki R, FNL	scheduled
	UAT	Moscow R, RU, URS	SITOR-A: 0624+2053 R tts wtsca CW
	VIP 33	Perth R, WA, AUS	scheduled CW
8708.0		coast stations, series 7	Qsx 8347.0 kHz
	SAB 407	Goetaborg R, S	SITOR-A: 24 h tts
	UFN	Novorossiysk R, RU, URS	CW
	XSG	Shanghai R, CHN	scheduled
	YUS	Split R, YUG	scheduled
8708.5		coast stations, series 8	Qsx 8347.5 kHz
	FFT 41	Saint Lys R, F	SITOR-A: 0620-2304 tts SITOR-B: 0300+0800+0900+1100+ 1200+1300+1600+1700+1800+1900+ 2000+2100 tfc list or wx CW
	UBE 2	Petropavlovsk R, FE, URS	scheduled
	UXN	Arkhangelsk R, RU, URS	scheduled
	WPD	Tampa R, FL, USA	scheduled CW
8709.0		coast stations, series 9	Qsx 8348.0 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	HEC 18	Berne R, SUI	SITOR-A: 0856+1403-2052 tts CW
	HPP	Panama R, PNR	scheduled
	KLC	Galveston R, TX, USA	SITOR-B: 0300 wx CW
	S9M	Sao Tome R, STP	scheduled
	UFB	Odessa R, UK, URS	scheduled
	UFL	Vladivostok R, SE, URS	scheduled
	9VG 78	Singapore R, SNG	SITOR-A: 0540+2250 tts CW
8709.5		coast stations, series 10	Qsx 8348.5 kHz
	A7D	Doha R, QAT	scheduled CW
	CUL	Lisbon R, POR	scheduled
	OXZ	Lyngby R, DNK	SITOR-A: 24 h tts CW
	UDH	Riga R, LA, URS	scheduled
	UQB	Kholmok R, FE, URS	SITOR-A: 1012 R tts wtsca
8710.0		coast stations, series 11	Qsx 8349.0 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	SVS 4	Athens R, GRC	SITOR-A: 24 h tts SITOR-B: 2112 tts CW
	UCO	Yalta R, UK, URS	scheduled
	URD	Leningrad R, RU, URS	scheduled
	VPS 38	Victoria Island R, HKG	scheduled
	WFN	Jeffersonville R, IN, USA	scheduled
	XSQ	Guangzhou R, CHN	scheduled
	YUR	Rijeka R, YUG	scheduled
	9LL	Freetown R, SRL	CW
8710.5		coast stations, series 12	Qsx 8349.5 kHz
	IAR	Rome R, I	scheduled
	NMF	USCG Boston, MA, USA	scheduled
	NRV	USCG Apra Harbour, GUM	scheduled
	OST 47	Oostende R, BEL	scheduled
	UAH	Tallinn R, ES, URS	SITOR-A: 0743+0854+1849 R tts wtsca CW

8710.5	UPB VIS 84	Provideniya R, FE, URS Sydney R, NSW, AUS	scheduled scheduled CW
8711.0	YUR GKP 4 KPH UBN	Rijeka R, YUG coast stations, series 13 Portishead R, G San Francisco R, CA, USA Zhdanov R, UK, URS	scheduled QSX 8350.0 kHz SITOR-A: 0128-1948 tts CW scheduled CW
8711.5	MCC IAR KPH SVT 4 UFN	Chatham R, MA, USA coast stations, series 14 Rome R, I San Francisco R, CA, USA Athens R, GRC Novorossiysk R, RU, URS	scheduled QSX 8350.5 kHz scheduled scheduled SITOR-A: 1846-0427 R tts wtsca CW
8712.0	VIS 65 MCC DCL UAH UKJ WLO	Sydney R, NSW, AUS Chatham R, MA, USA coast stations, series 15 Norddeich R, D Tallinn R, ES, URS Astrakhan' R, RU, URS Mobile R, AL, USA	scheduled CW scheduled QSX 8351.0 kHz SITOR-A: 1008+1020+1110+1520 tts CW 0510+0536 R tts wtsca SITOR-A: 0148 tts, 0600 E nx, 2200 tts CW
8712.5	3AC 28 COB 36 FFT 42 SVU 4 UDK 2	Monte Carlo R, MCO coast stations, series 16 Flota Cubana F R, CUB Saint Lys R, F Athens R, GRC Murmansk R, RU, URS	scheduled QSX 8351.5 kHz scheduled scheduled scheduled scheduled
8713.0	HPP KLC PCH 45	coast stations, series 17 Panama R, PNR Galveston R, TX, USA Scheveningen R, HOL	QSX 8352.0 kHz scheduled scheduled SITOR-A: 0427+0917-2028 tts SITOR-B: 1832 tts CW
8713.5	VPS 39 FFT 43	Victoria Island R, HKG coast stations, series 18 Saint Lys R, F	scheduled QSX 8352.5 kHz SITOR-A: 0747-1625 tts CW
8714.0	OFA 5ZF HEC 28 JBO WNU ZSD 60	Helsinki R, FNL Mombasa R, KEN coast stations, series 19 Berne R, SUI Tokyo R, J Slidell R, LA, USA Durban R, AFS	scheduled scheduled QSX 8353.0 kHz SITOR-A: 0244+0656-1900 tts CW scheduled scheduled SITOR-B: 1830 tfc list CW
8714.5	9PA GKL 4 IAR NMC VRT	Banana R, ZAI coast stations, series 20 Portishead R, G Rome R, I USCG San Franc., CA, USA Hamilton R, BER	scheduled QSX 8353.5 kHz SITOR-A: 0746-1921 tts SITOR-A: 1343 tts scheduled scheduled
8715.0	KPH LGB 3	coast stations, series 21 San Francisco R, CA, USA Rogaland R, NOR	QSX 8354.0 kHz scheduled scheduled

8715.0	WCC	Chatham R, MA, USA	SITOR-A: 0220 tts, 0243 E nx, 1858 tts, SITOR-B: 1700 wx CW
	3AC 38	Monte Carlo R, MCO	scheduled
	5BA 92	Nicosia R, CYP	SITOR-A: 1115+1629 tts SITOR-B: 1300 tfc list
	9VG 79	Singapore R, SNG	SITOR-A: 1124+2255 tts CW
8715.5		coast stations, series 22	QX 8354.5 kHz
	A7D	Doha R, QAT	SITOR-A: 1015 A tts CW
	KLC	Galveston R, TX, USA	scheduled
	KPH	San Francisco R, CA, USA	scheduled
	OXZ	Lyngby R, DNK	scheduled CW
8716.0		coast stations, series 23	QX 8355.0 kHz
	A9M	Hamala R, BHR	SITOR-A: 0430 tts CW
	BAL 2	PTT Beijing, CHN	1604 clg ZAO 3, 1616+2050 ry
	DCF	Norddeich R, D	SITOR-A: 0809+1140+1410 tts
	SPA 42	Gdynia R, POL	SITOR-A: 0745 tts CW
	UKX	Nakhodka R, SE, URS	scheduled
	YUH	Bar R, YUG	scheduled
8716.5		coast stations, series 24	QX 8355.5 kHz
	SAB 424	Goeteborg R, S	SITOR-A: 24 h tts
	UJQ	Kiyev R, UK, URS	scheduled
	UQK	Riga R, LA, URS	scheduled
	VCS	CCG Halifax, NS, CAN	scheduled
8717.0		coast stations, series 25	QX 8356.0 kHz
	PCH 46	Scheveningen R, HOL	SITOR-A: 0802-1857 tts CW
	UFH	Petropavlovsk R, FE, URS	scheduled
	UFM 3	Nevelsk R, FE, URS	scheduled
	WLO	Mobile R, AL, USA	SITOR-A: 0129+0145+0531+2034 tts CW
	ZSC 62	Capetown R, AFS	scheduled CW
8717.5		coast stations, series 26	QX 8356.5 kHz
	CLA	Habana R, CUB	scheduled
	EAD	Aranjuez R, E	CW
	FFT 44	Saint Lys R, F	SITOR-A: 0930 tts CW
	HEC 38	Berne R, SUI	SITOR-A: 0905 tts, 1815 G nx
	UGH 2	Juzno R, FE, URS	scheduled
	URB 2	Klaipeda R, LI, URS	scheduled
	YSM	Rügen R, DDR	1230 ry
8718.0		coast stations, series 27	QX 8357.0 kHz
	GBQ 4	Portishead R, G	SITOR-A: 24 h tts CW
	NHH	USCG Portsmouth, VA, USA	scheduled
	NMO	USCG Honolulu, HWA	scheduled
	TJC 7	Douala R, CME	CW
8718.5	worldwide	coast stations DSC freq.	
8718.9		coast stations, ch 801	SSB QX 8195.0 kHz
	A9M	Hamala R, BHR	
	CB./..	many DGTMM R stations, CHL	
	CBM 9	ETAL Punta Arenas R, CHL	
	DVG 8	Quezon City R, PHL	
	DVG 9	Albay R, PHL	

8718.9	LFL 2	Rogaland R, NOR		
	QXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	ZSV 32	Walvis Bay R, NMB		
	4XO	Haifa R, ISR		
	9MG 9	Georgetown R, Pin. I., MLA		
8722.0		coast stations, ch 802	SSB	QSQ 8198.1 kHz
	CUL	Lisbon R, POR		
	DVP 3	Quezon City R, PHL		
	DVR 3	Manila R, PHL		
	DZK 3	Manila R, PHL		
	D3E	Luanda R, AGL		
	GKT 42	Portishead R, G		
	J5M	Bissau R, GNB		
	OHG 2	Helsinki R, FNL		
	SVN 4	Athens R, GRC		
	VIS	Sydney R, NSW, AUS		
	VWM	Madras R, IND		
	WOM	Pennsuco R, FL, USA		
	YSM	Rügen R, DDR		
	7TA 20	El Djaza'ir R, ALG		
8725.1		coast stations, ch 803	SSB	QSQ 8201.2 kHz
	ASK	Karachi R, PAK		
	COB 32	Flota del Golfo F R, CUB		
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	DZC 7	Malabon R, PHL		
	DZQ 9	Navotas R, PHL		
	EHY	Pozuelo del Rey R, E		
	HEB 48	Berne R, SUI		
	HLS	Soul R, KOR		
	LFL 3	Rogaland R, NOR		
	OSU 46	Oostende R, BEL		
	PJC	Willemstad R, Curacao, ATN		
	SAG	Goeteborg R, S		
	TAM 5	Mersin R, TUR		
	URB 2	Klaipeda R, LI, URS		
	WFN	Jeffersonville R, IN, USA		
	ZSQ 23	Port Elizabeth R, AFS		
	4PB	Colombo R, SLK		
	6VA	Dakar R, SEN		
8728.2		coast stations, ch 804	SSB	QSQ 8204.3 kHz
	A7D	Doha R, QAT		
	DV. 7	Navotas R, PHL		
	EHY	Pozuelo del Rey R, E		
	JYD	Aqaba R, JOR		
	KMI	Dixon R, CA, USA		
	OBC 3	Callao R, PRU		
	OHG 2	Helsinki R, FNL		
	SPC 43	Gdynia R, POL		
	S9M	Sao Tome R, STP		
	UCY 2	Astrakhan' R, RU, URS		
	UKX	Nakhodka R, SE, URS		
	WAH	Saint Thomas R, VIR		
	3AC 8	Monte Carlo R, MCO		
	9LL	Freetown R, SRL		
	9VG 63	Singapore R, SNG		
8731.3		coast stations, ch 805	SSB	QSQ 8207.4 kHz
	DXS 3	General Santos City R, PHL		
	DYF 5	Negros R, PHL		
	EQI	Abbas R, IRN		

8731.3	ETC	Assab R, ETH		
	FJP 9	Noumea R, NCL		
	OHG 2	Helsinki R, FNL		
	OSU 43	Oostende R, BEL		
	PCG 42	Scheveningen R, HOL		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	TFA	Reykjavik R, ISL		
	UFL	Vladivostok R, SE, URS		
	UPB	Provideniya R, FE, URS		
	VPS	Victoria Island R, HKG		
	WOM	Pennsuco R, FL, USA		
	ZAD	Durres R, ALB		
	ZSC 26	Capetown R, AFS		
	4XO	Haifa R, ISR		
8734.4		coast stations, ch 806	SSB	QSOX 8210.5 kHz
	A9M	Hamala R, BHR		
	ICB	Genova R, I		
	KUQ	Pago Pago R, SMA		
	OSU 44	Oostende R, BEL		
	PCG 43	Scheveningen R, HOL		
	SPC 44	Gdynia R, POL		
	SVN 4	Athens R, GRC		
	S3D	Chittagong R, BGD		
	VIP	Perth R, WA, AUS		
		Abidjan F R, CTI		
8737.5		coast stations, ch 807	SSB	QSOX 8213.6 kHz
	CB../.	many DGTMM R stns., CHL		
	DVY 4	Malabon R, PHL		
	DZN 3	Navotas R, PHL		
	GYU	RN Gibraltar, GIB		
	OMP	Prague R, TCH		
	TFA	Reykjavik R, ISL		
	URD	Leningrad R, RU, URS		
	VAI	CCG Vancouver, BC, CAN		
	W6K	St. Louis R, MO, USA		
	ZBI	Georgetown R, ASC		
	ZHH	Jamestown R, SHN		
	ZLW	Wellington R, NZL		
	5BA 42	Nicosia R, CYP		
	5RS	Toamasina R, MDG		
	9HD	Valetta R, MLT		
	9KK 7	Safat R, KWT		
8740.6		coast stations, ch 808	SSB	QSOX 8216.7 kHz
	C6N 55	Coral Harbour R, BAH		
	DZZ	Manila R, PHL		
	HZG	Dammam R, ARS		
	LFL 4	Rogaland R, NOR		
	LPZ 87	Trelew R, ARG		
	OXZ	Lyngby R, DNK		
	P.. ...	many R stations, B		
	PZN	Paramaribo R, SUR		
	SAG	Goeteborg R, S		
	SVN 4	Athens R, GRC		
	WOO	Ocean Gate R, NJ, USA		
	ZBI	Georgetown R, ASC		
	ZSD 38	Durban R, AFS		
	ZXA 4	Tedut R, B		
	ZXF 3	Bavit R, B		
	ZZQ 8	Denor R, B		
8743.7		coast stations, ch 809	SSB	QSOX 8219.8 kHz
	ASK	Karachi R, PAK		

8743.7	CB./..	many DGTMM R stns., CHL		
	CLA 64	Habana R, CUB		
	KMI	Dixon R, CA, USA		
	LFL 5	Rogaland R, NOR		
	OHG 2	Helsinki R, FIN		
	OMC	Bratislava R, TCH		
	OMK	Komarno R, TCH		
	OML	Decin R, TCH		
	SVN 4	Athens R, GRC		
	TFA	Reykjavik R, ISL		
	WAH	Saint Thomas R, VIR		
	XFA	Acapulco R, MEX		
	XFB	Ciudad del Carmen R, MEX		
	XFC	Cozumel R, MEX		
	XF. .	many PEMEX R stations, MEX		
	YSM	Rügen R, DDR		
	3AC 9	Monte Carlo R, MCO		
	4PB	Colombo R, SLK		
	7TA 21	El Djaza'ir R, ALG		
	9KK 72	Safat R, KWT		
8746.8		coast stations, ch 810	SSB	QX 8222.9 kHz
	CFH	CF Halifax, NS, CAN		
	DVC 8	Navotas R, PHL		
	EHY	Pozuelo del Rey R, E		
	EQM	Bushire R, IRN		
	JBO	Tokyo R, J		
	LFL 6	Rogaland R, NOR		
	LPB 9	Corrientes R, ARG		
	PKB	Belawan R, INS		
	PKF 3	Kendari R, INS		
	PKN	Balikpapan R, INS		
	SPO 41	Szczecin R, POL		
	S3D	Chittagong R, BGD		
	TAM 7	Canakkale R, TUR		
	WOM	Pennsuco R, FL, USA		
	XSQ	Guangzhou R, CHN		
	YUR	Rijeka R, YUG		
	3DP	Suva R, FJI		
8749.9		coast stations, ch 811	SSB	QX 8226.0 kHz
	DVR 9	Navotas R, PHL		
	DZD 8	Manila R, PHL		
	FUB	FN Paris, F		
	HAR	Budapest R, HNG		
	HZG	Dammam R, ARS		
	LFL 7	Rogaland R, NOR		
	LPM 97	Mar del Plata R, ARG		
	OB. .	many R stations, PRU		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	TAN	Istanbul R, TUR		
	VI.	many R stations, AUS		
	VPS	Victoria Island R, HKG		
	WOO	Ocean Gate R, NJ, USA		
	YUR	Rijeka R, YUG		
8753.0		coast stations, ch 812	SSB	QX 8229.1 kHz
	DVW 2	Manila R, PHL		
	DZC 2	Navotas R, PHL		
	JBO	Tokyo R, J		
	LPC 34	Ushuaia R, ARG		
	OSU 49	Oostende R, BEL		
	PKX	Jakarta R, INS		
	SPC 41	Gdynia R, POL		

8753.0	UHK	Batumi R, GE, URS		
	VFF	CCG Frobisher B., NWT, CAN		
	XSG	Shanghai R, CHN		
	4XO	Haifa R, ISR		
	6YI	Kingston R, JMC		
	9PA	Banana R, ZAI		
8756.1		coast stations, ch 813	SSB	QSOX 8232.2 kHz
	CB./..	many DGTMM R stns., CHL		
	DVB 4	Malabon R, PHL		
	D3E	Luanda R, AGL		
	D4A	Mindelo R, S. Vicente, CPV		
	HAR	Budapest R, HNG		
	JSM	Bissau R, GNB		
	LFL 8	Rogaland R, NOR		
	OSU 45	Oostende R, BEL		
	QXZ	Lyngby R, DNK		
	VMB	Bombay R, IND		
	XSV	Tianjin R, CHN		
	7TA 22	El Djaza'ir R, ALG		
8759.2		coast stations, ch 814	SSB	QSOX 8235.3 kHz
	CFW	Vancouver R, BC, CAN		
	CLA 67	Habana R, CUB		
	DZJ	Bulacan R, PHL		
	HSA 21	Bangkok R, THA		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	LPL 3	General Pacheco R, ARG		
	PK. ..	many R stations, INS		
	SVN 4	Athens R, GRC		
	S9M	Sao Tome R, STP		
	T3C	Takaronga R, T. Atoll, KIR		
	UGH 2	Juzno R, FE, URS		
	UQK	Riga R, LA, URS		
8762.3		coast stations, ch 815	SSB	QSOX 8238.4 kHz
	CB./..	many DGTMM R stns., CHL		
	DAK	Norddeich R, D		
	DVG 2	Quezon City R, PHL		
	DVR 8	Navotas R, PHL		
	DZE 4	Malabon R, PHL		
	OSU 41	Oostende R, BEL		
	UFN	Novorossiysk R, RU, URS		
	VID	Darwin R, NT, AUS		
	VIP	Perth R, WA, AUS		
	WOO	Ocean Gate R, NJ, USA		
	XSQ	Guangzhou R, CHN		
	9PA	Banana R, ZAI		
	9VG 64	Singapore R, SNG		
8765.4		coast stations, ch 816	SSB	QSOX 8241.5 kHz
	DYT 3	Cebu R, PHL		
	EHY	Pozuelo del Rey R, E		
	GKU 46	Portishead R, G		
	LPG 87	Rio Gallegos R, ARG		
	N..	many USCG stations		
	PKG	Banjarmasin R, INS		
	PKP	Dumai R, INS		
	XSU	Yantai R, CHN		
	XSV	Tianjin R, CHN		
	8PO	Bridgetown R, BRB		
8768.5		coast stations, ch 817	SSB	QSOX 8244.6 kHz
	CB./..	many DGTMM R stns., CHL		
	C2N	Makwa R, NRU		
	DAJ	Norddeich R, D		

8768.5	DZI	Bacoar R, PHL		
	EQO	Nowshahr R, IRN		
	FFL 43	Saint Lys R, F		
	HPP 20	Panama R, PNR		
	SUH	Alexandria R, EGY		
	S3E	Khulna R, BGD		
	UKK 3	Nakhodka R, SE, URS		
	VIA	Adelaide R, SA, AUS		
	VIT	Townsville R, QLD, AUS		
	VRT	Hamilton R, BER		
	XF./.	many PEMEX/R stations, MEX		
	50W	Lagos R, NIG		
8771.6		coast stations, ch 818	SSB	QX 8247.7 kHz
	ASK	Karachi R, PAK		
	DYS 9	Cebu R, PHL		
	DZD 4	Manila R, PHL		
	DZR 2	Navotas R, PHL		
	LFL 9	Rogaland R, NOR		
	LPW 97	Bahia Blanca R, ARG		
	OXZ	Lyngby R, DNK		
	P.. ...	many R stations, B		
	SAG	Goeteborg R, S		
	S7Q	Victoria R, Mahe, SEY		
	TJC	Douala R, CME		
	XSG	Shanghai R, CHN		
	YJM	Port-Vila R, Efate I., VUT		
	Z.. .	many R stations, B		
	5AT	Tripoli R, LBV		
	5BA 44	Nicosia R, CYP		
	9MG 9	Georgetown R, Pin. I., MLA		
8774.7		coast stations, ch 819	SSB	QX 8250.8 kHz
	CBV	DGTMM Valparaiso R, CHL		
	CKN	CF Vancouver, BC, CAN		
	DZS 4	Manila R, PHL		
	GKU 49	Portishead R, G		
	HPP 20	Panama R, PNR		
	IAR	Rome R, I		
	PKU	Kalianget R, INS		
	PP.	many R stations, B		
	SVN 4	Athens R, GRC		
	UDK 2	Murmansk R, RU, URS		
	50W	Lagos R, NIG		
	70A	Aden R, YMS		
8777.8		coast stations, ch 820	SSB	QX 8253.9 kHz
	DAI	Norddeich R, D		
	D.. .	many R stations, PHL		
	D4D	Praia R, Santiago, CPV		
	EQL	Anzali R, IRN		
	IAR	Rome R, I		
	JBO	Tokyo R, J		
	SVN 4	Athens R, GRC		
	5BA 46	Nicosia R, CYP		
	5WA	Apia R, SMO		
	9PA	Banana R, ZAI		
8780.0		TASS Moscow, RU, URS	0800 E nx	
8780.9		coast stations, ch 821	SSB	QX 8257.0 kHz
		(worldwide calling frequency)		
8784.0		coast stations, ch 822	SSB	QX 8260.1 kHz
	D.. .	many R stations, PHL		
	GKV 42	Portishead R, G		
	HAR	Budapest R, HNG		
	HEB 18	Berne R, SUI		

8784.0	KMI	Dixon R, CA, USA		
	PPA	Salvador R, B		
	PPL	Belem R, B		
	PPR	Rio de Janeiro R, B		
	S3E	Khulna R, BGD		
	TUA	Abidjan R, CTI		
	UJQ	Kiyev R, UK, URS		
	VIT	Townsville R, QLD, AUS		
	XSQ	Guangzhou R, CHN		
	YUS	Split R, YUG		
	YVG	La Guayra R, VEN		
	SZF	Mombasa R, KEN		
8787.1		coast stations, ch 823	SSB	Qsx 8263.2 kHz
	DZN 9	Navotas R, PHL		
	ICB	Genova R, I		
	LFL 20	Rogaland R, NOR		
	LPO 87	Puerto Deseado R, ARG		
	DXZ	Lyngby R, DNK		
	PKT	Dili R, INS		
	SVN 4	Athens R, GRC		
	UXN	Arkhangelsk R, RU, URS		
	VCS	CCG Halifax, NS, CAN		
	9GA	Takoradi R, GHA		
8790.2		coast stations, ch 824	SSB	Qsx 8266.3 kHz
	A4M	Muscat R, OMA		
	DAP	Norddeich R, D		
	DZB 3	Manila R, PHL		
	EQ.	many R stations, IRN		
	HEB 28	Berne R, SUI		
	OBV 2	Paita R, PRU		
	PP.	many R stations, B		
	SPC 42	Gdynia R, POL		
	UMV	Murmansk R, RU, URS		
	WLO	Mobile R, AL, USA		
	9VG 65	Singapore R, SNG		
8793.3		coast stations, ch 825	SSB	Qsx 8269.4 kHz
	DYP	Cebu R, PHL		
	DZD 2	Navotas R, PHL		
	FFL 42	Saint Lys R, F		
	FJY 4	Martin de Vivies R, AMS		
	HAR	Budapest R, HNG		
	LFL 21	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	UBE 2	Petropavl.-Km. R, FE, URS		
	VFR	CCG Resolute, NWT, CAN		
	WOM	Pennsuco R, FL, USA		
	ZKR	Avarua R, Rarotga. I., CKH		
	7TA 23	El Djaza'ir R, ALG		
	8PO	Bridgetown R, BRB		
	9GX	Tema R, GHA		
8796.4		coast stations, ch 826	SSB	Qsx 8272.5 kHz
	A7D	Doha R, QAT		
	DYU 3	Roxas R, PHL		
	GKV 46	Portishead R, G		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	IAR	Rome R, I		
	PCG 41	Scheveningen R, HOL		
	PK. ..	many R stations, INS		
	WBL	Buffalo R, NY, USA		
	WLC	Rogers City R, MI, USA		

8796.4	WMI	Lorain R, OH, USA		
	WOO	Ocean Gate R, NJ, USA		
	XDA	Mexico City R, MEX		
	XFE	Ensenada R, MEX		
	XFL	Mazatlan R, MEX		
	XF. .	many PEMEX R stations, MEX		
	XSV	Tianjin R, CHN		
	Y5M	Rügen R, DDR		
8799.5		coast stations, ch 827	SSB	QSX 8275.6 kHz
	DVR 5	Caloocan City R, PHL		
	DYC 7	Bacolod R, PHL		
	DZM 6	Makati R, PHL		
	ELH	Harbel R, LBR		
	HLS	Soul R, KOR		
	J2A	Jibuti R, DJI		
	LFL 22	Rogaland R, NOR		
	QBF 4	Mollendo R, PRU		
	QXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	YUW	Bar R, YUG		
	4XO	Haifa R, ISR		
		Sapele Port R, NIG		
8802.6		coast stations, ch 828	SSB	QSX 8278.7 kHz
	CNP	Casablanca R, MRC		
	DAH	Norddeich R, D		
	D.. .	many R stations, PHL		
	FFL 44	Saint Lys R, F		
	FUB	FN Paris, F		
	HAR	Budapest R, HNG		
	LFL 23	Rogaland R, NOR		
	QDR 7	Beirut R, LBN		
	P.. ..	many R stations, INS		
	PP.	many R stations, B		
	TJC	Douala R, CME		
	3BB	Port Louis R, MAU		
8804.0		Bulgarian E Damasc., SYR	1525 msgs to Sofia	
8805.7		coast stations, ch 829	SSB	QSX 8281.8 kHz
	DZL 9	Manila R, PHL		
	EQN	Khomeini R, IRN		
	FJA	Papeete R, Tahiti, OCE		
	LFL 24	Rogaland R, NOR		
	QHG 2	Helsinki R, FIN		
	OSU 42	Oostende R, BEL		
	QXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3E	Khulna R, BGD		
	VIS	Sydney R, NSW, AUS		
	WLO	Mobile R, AL, USA		
	XDA	Mexico City R, MEX		
	XFN	Progreso R, MEX		
	XFU	Veracruz R, MEX		
	XFY	Guaymas R, MEX		
	XF. .	many PEMEX R stations, MEX		
	XSG	Shanghai R, CHN		
	ZPB	Asuncion R, PRG		
	5AB	Benghazi R, LBY		
	5BA 48	Nicosia R, CYP		
8808.8		coast stations, ch 830	SSB	QSX 8284.9 kHz
	D.. .	many R stations, PHL		
	FFL 41	Saint Lys R, F		
	OBQ 5	Iquitos R, PRU		

8808.8	PK. .	many R stations, INS	
	PP.	many R stations, B	
	SPO 42	Szczecin R, POL	
	UFH	Petropavl.-Km. R, FE, URS	
	UFM 3	Nevelsk R, FE, URS	
	WLO	Mobile R, AL, USA	
	YUR	Rijeka R, YUG	

8811.9		coast stations, ch 831	SSB	QX 8288.0 kHz
	ASK	Karachi R, PAK		
	DTT 4	Bacolod R, PHL		
	GKW 41	Portishead R, G		
	HEB 38	Berne R, SUI		
	J..	many R stations, J		
	TAN	Istanbul R, TUR		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	Y3M	Rügen R, DDR		
	5RS	Toamasina R, MDG		
	9MG 33	Georgetown R, Pin. I., MLA		

8815.0 - 8965.0 AERONAUTICAL MOBILE (R)

8816.0		AMS = 4A 6G 12C 13J 14A	SSB	
8819.0		AMS = 2B 2C 9B 10 13C	SSB	
8820.0	CAI 7E	Hanga Roa Air, PAQ	0256+0326+0455 ry	
8822.0		AMS = 2A 3B 5A 5C 11B 13G	SSB	
		14		
8825.0		AMS = NAT, 6G 13H 14F	SSB	
8828.0		AMS = 1D 13N, VPAC	SSB	
8831.0		AMS = NAT, 6G 13F 14F	SSB	
8834.0		AMS = 2B 2C 6C 7C 10 13C	SSB	
8837.0		AMS = 3A 3C 4A 9B 10B 13M	SSB	
8840.0		AMS = 1C 6	SSB	
	COL	Habana Air, CUB	CW	
	RFNV	Moscow Air, RU, URS	CW	
8843.0		AMS = CEP, 5D 6G 10E 13C	SSB	
		13J 13K 14D		
8846.0		AMS = CAR, 2 3 7F 9	SSB	
8849.0		AMS = 13K, VSEA	SSB	
8852.0		AMS = 3B 3C 9 12E, VAFI	SSB	
8855.0		AMS = SAM, 2 10A 14	SSB	
	70IR	Riyan Air, YMS	0400 ry, 0651+1908 msgs (RWB)	
8858.0		AMS = 4A 6G 10D 13E 13F 14D	SSB	
8861.0		AMS = SAT, 3A 3B 6E 9B	SSB	
8864.0		AMS = NAT, 2B 6B 6F 7E 13F	SSB	
8867.0		AMS = SP, 6G 10C 13D 13M	SSB	
8870.0		AMS = 5 6G 14, VNAT	SSB	
8873.0		AMS = 4 6G 9C 9D 12E 12F	SSB	
		13I		
8876.0		AMS = 2A 10A 12D 14G	SSB	
8879.0		AMS = INO NAT, 3B	SSB	
8882.0		AMS = 2C 6D	SSB	
8885.0		AMS = 5 6B 11B 13G 14C	SSB	
	RGC 72	Kiyev Meteo, UK, URS	(hx 4442.5 kHz)	
8888.0		AMS = 2 6G 7	SSB	
8891.0		AMS = NAT, 6A 14E	SSB	
8894.0		AMS = AFI, 3C 12F 14A	SSB	
8897.0		AMS = EA	SSB	
8900.0		AMS = 3A 10D 13G 14B	SSB	
8903.0		AMS = AFI CWP, 10B 13M	SSB	
8906.0		AMS = NAT, 6A 6E 7B 9B 13H	SSB	

8909.0		AMS = 2A 6E	SSB
8910.0	RDM 73	Tbilisi Meteo, GE, URS	(hx 4455.0 kHz)
8912.0		AMS = 5B 6G 11B 13D 14C	SSB
8915.0		AMS = 3C 5A	SSB
8918.0		AMS = CAR MID, 6C	SSB
8921.0		AMS = W I/III	SSB
8924.0		AMS = W I/IV	SSB
8927.0		AMS = W II/V	SSB
8930.0		AMS = W I/III	SSB
8933.0		AMS = W II/V	SSB
8936.0		AMS = W I/II	SSB
8939.0		AMS = 2A 2C 6F 10B 13C	SSB
8942.0		AMS = SEA, 3A	SSB
8945.0		AMS = 10F 13K 14E, VMID	SSB
8948.0		AMS = 6A 12C	SSB
8950.0	7RQ 20	MFA El Djaza'ir, ALG	0740 tfc to London, 1325 msgs + tfc to Tunis, 1353 msgs to Madrid
		Novosib. Met., SW, URS	(hx 4475.0 kHz)
8951.0		AMS = MID	SSB
8954.0		AMS = 3 10E 12J 14B	SSB
8957.0		AMS = 3B 6D 12C 13D 14G, VEUR	SSB
8960.0		AMS = 6G 7F	SSB
8965.0 - 9040.0 AERONAUTICAL MOBILE (OR)			
8967.0	CUW	PAF/USAF Lajes AFB, AZR	SSB
8977.5	NGR	USN Kato Soli, GRC	VFT: 1619 E nx
8984.0		INTERFLUG Berlin, DDR	SSB
8985.9		Algerian E Rome, I	1424 msgs to 7RQ 20
8988.0	MKL	RAF Edinburgh, G	CW
8992.5	FUV	FN Jibuti, DJI	CW
	6WW	FN Dakar, SEN	CW
8993.0		RAF Portland, G	SSB
8994.0	SOE 349	Warsaw Meteo, POL	(hx 4497.0 kHz)
9011.0	AJE	USAF Wolvey, G	SSB
9027.0	ONY 27	NATO Rouveroy, BEL	1506 foxes
9032.0	MQP	RAF Upavon, G	SSB
9037.0	MKL	RAF Edinburgh, G	CW
9040.0 - 9500.0 FIXED			
9041.0	5YE	Nairobi Meteo, KEN	75 Bd: 1518-0517 ry or wx
9043.5	'MET'	OTC Sydney, NSW, AUS	ARQ 96 Bd: A: 0723 msg (wx forecast Macquarie Island) to 'MACQ'
9043.7	'YJN'	San'a Air, YEM	SITOR-A: 2040 "ch"
9043.8	5NL	Lagos Air, NIG	1934+2212 ry
9045.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz \$
9047.5	Y2J	DP Berlin, DDR	1228-1735 ry or to Beijing
9051.7	YAV 23	Kabul Meteo, AFG	0249 wx
9052.5	ISY 90	ANSA Rome, I	1400 F nx, 1500 E nx, 1800 F nx, 1900 E nx, 2000 F nx
9056.5	'U'	Beacon Murmansk, RU, URS	CW
9058.0	9PL	Kinshasa Air, ZAI	1738-0636 ry or msgs (ZDA)
9059.0	6YA	RN London, G	CW
9060.0	RCU 73	Novosib. Met., SW, URS	FAX // 4475.0 kHz \$
9061.7	Y7A 36	MFA Berlin, DDR	CW
9062.0	Y7A 36	MFA Berlin, DDR	0157-1855 ry or tfc

9065.0	GYU	RN Gibraltar, GIB	COMB
9068.0	JXZ	NATO Kolsaas, NOR	1356 foxes without ID
9070.0	6VU	ASECNA Dakar, SEN	1906-0728 ry or msgs (OLA)
9072.0	70B 40	ANA Aden, YMS	1630-1730 A nx
9078.0	Y7A 37	MFA Berlin, DDR	0538-1520 tfc
	'RFQP'	FF Jibuti, DJI	ARQ 96 Bd: A: 2048 encrypted tfc after "KKKK..." to 'RFFA'
9082.0	MKK	RAF London, G	B: 1618 msg to 'RFFA' (FKD)
			VFT: ARQ 96 Bd: A: 0542+1234+1744+2005 wx with WMO headings
9086.0	Y7A 38	MFA Berlin, DDR	B: 1237+2316 encrypted tfc
9090.0	IDR 4	IN Rome, I	ARQ 192 Bd: C: 0544 "sgsgsg..."
9092.0	GXQ	BA London, G	D: 0544 "sgsgsg..."
9096.5	RGE 37	PTT Moscow, RU, URS	100 Bd: 0109+0623-1520 ry or tfc
9097.5	CUA 44	CPRM Lisbon, POR	CW
9100.0		Rost.-na-D. M., UK, URS	VFT: 0134+0640+1628+2152 ryi
9105.0	SNL	Lagos Air, NIG	ARQ 96 Bd: A: 2348 to Kabul (MAF)
9110.0	RDZ 77	TASS Moscow, RU, URS	ARQ 96 Bd: A: 1235+1335 svc msg to HVD (PVA)
9114.0	HGG 31	MTI Budapest, HNG	FAX // 3610.0 kHz \$
9115.0	LRB 91	R Rivadavia feeder, ARG	0134+2051+2312 ry
9117.6	PCW 1	MFA Den Haag, HOL	1700 F nx, 1800+2000+2200 E nx
9130.0	ARA	Karachi Air, PAK	1000+1100+1700 E nx
9132.0		Polish E Bonn, D	SSB
9133.0	ZAA 6	ATA Tirana, ALB	SITOR-A: 1347 tfc
9135.0	MKD	RAF Akrotiri, CYP	CW
9136.0	TJK	ASECNA Douala, CME	0003+0011+1710+1734 ry
9140.0	RCV 26	ANGOP Moscow, RU, URS	100 Bd: 1344 msg to SNN 299
	RCV 26	R Moscow feeder, RU, URS	0700+0900-1045 E nx
	Y7A 39	MFA Berlin, DDR	VFT: 1720-1040 ryi
9141.5	DFJ 27	PIAB Bonn, D	COMB
9143.5	DWI 35	Davao, PHL	1728-0708 ry or msgs (KLA)
	DWI 45	Cotabato, PHL	1900 P nx
9143.7	TUH	ASECNA Abidjan, CTI	SSB
9145.0	RDZ 76	TASS Moscow, RU, URS	1210 tfc
9147.0	GXQ	BA London, G	FEC-A 96 Bd: 1600 G nx
			SSB
			SSB
			1915 ry
			1400+1500+1600+2000 E nx
			VFT: 2337 ryi
			VFT: ARQ 96 Bd: A: 0757-1200 wx wx with WMO headings
			B: 0855 tfc (not AFTN); 1205 AFTN msg (ANM), encrypted tfc, 1222+1242 "ch de lin hnm 500"
			COMB
9150.0	RCH 73	Tashkent Met., UZ, URS	FAX // 3280.0 kHz \$
9153.0	SNN 299	MFA Warsaw, POL	75 Bd: 0550+0602 ry, 0615+0702 msg to various embassies
9154.0	D4B	Amilcar C. Air, Sal, CPV	1733-0744 ry or msg (CMA)
9157.0	4UA	UNO Rawalpindi, PAK	75 Bd: 0246+0301+0410 clg 4UZ
	4UN	UNO Jerusalem, ISR	75 Bd: 1415-0833 ry or msg
9157.5	WLO	Mobile R, AL, USA	FAX // 6852.0 kHz \$
9159.5	SUA	ASECNA Niamey, NGR	1820+1917 ry, 2216 msg (NIA)
9167.8	HBD 20	MFA Berne, SUI	SITOR-A: 0632-1303 tfc + msg
	HBD 49	Swiss E Budapest, HNG	SITOR-A: 1242 msg to HBD 20
9168.0	YOJ 41	PTT Bucharest, ROU	1303+1317 to ZAD 2
9170.0		RFE Holzkirchen feeder, D	ISB
9173.0	CUW	PAF/USAF Lajes AFB, AZR	VFT: 75 Bd: 2030+2157 foxes
			COMB

9183.7	TLO	ASECNA Bangui, CAF	2108-0020 ry (LDA)
9190.0	RDZ 75	Moscow Meteo, RU, URS	0000-1800 ry or wx
9193.0	BAA 23	Beijing Meteo, CHN	1427-2158 wx
9196.0	TNL	ASECNA Brazzaville, COG	ARQ 96 Bd: A: 1622-0209 msgs (FOA) or "ch" without AFTN heading or wx with WMO headings
			B: 1951-0209 msgs (FOA) or wx with WMO headings
9197.5	A9M 41	GNA Manama, BHR	75 Bd: 0500-1500 A nx
9200.0	4NX 7	INTERPOL Belgrade, YUG	SITOR-A: 1822 msgs
9200.5	IUV 81	INTERPOL Rome, I	SITOR-A: 0657-1554 tfc + msgs
9203.0	GFE 22	Bracknell Meteo, G	FAX // 2618.5 kHz \$
9205.4	IBA	USN Napoli, I	SSB
	IBH	USAF Vicenza, I	SSB
	YMB	USN Izmir, TUR	SSB
9209.8	NKW	USN Diego Garcia, BIO	1816 wx + tfc to 3BT
9210.0	RME 20	R Moscow feeder, RU, URS	ISB
9216.0	SUA	ASECNA Niamey, NGR	24 h ry or msgs (NBA)
9220.0	RTB 26	Novosib. Met., SW, URS	FAX // 4445.0 kHz \$
9223.5	TJK	ASECNA Douala, CME	1950-0553 ry
	'RPFN'	PN Lisbon, POR	2112 ry, clg 'RETJ'
9227.0	9KT 27	KUNA Safat, KWT	1000-1900 E nx
9230.0	RXD 70	Khab. Meteo, SE, URS	FAX // 4516.7 kHz \$
9231.0	9KT 27	KUNA Safat, KWT	0700-2000 A nx
9237.5	AJE	USAF Wolvey, G	VFT: 1512+1620+1855 E nx
			VFT: 75 Bd: 0122+0654+1512+1621+1820 wx
9239.6	AJE	USAF Wolvey, G	COMB
9241.5	LRO 64	DyN Buenos Aires, ARG	FAX 60/288 LSB ISD: 2318+
			2343-0005 pix with S text
9242.2	AJE	USAF Wolvey, G	COMB
9250.0		RFE Holzkirchen feeder, D	ISB
9252.2	ELRB	Monrovia Air, LBR	1306+1917-0708 ry or msg (LOA)
9255.0	NGR	USN Kato Soli, GRC	FAX // 4053.5 kHz \$
	'SPK 72'	SPK Phnom Penh, KMP	1900 F nx
9259.0	'P6Z'	MFA Paris, F	75 Bd: 1420 tfc to 'F9S'
9260.0		PTT Hanoi, VTN	ARQ 96 Bd: A: 2130 final tfc to Stockholm
			B: 2145 final tfc to Stockholm
9265.0	ZRH	SAN Capetown, AFS	75 Bd: 0006 clg NMN
9278.0	OMZ	MFA Prague, TCH	75 Bd: 0725+0815 msg
9280.0	RUZU	SAAM Molodezhnaya, ANT	1706-0326 ry or wx or clg ULV
9285.0	TNL	ASECNA Brazzaville, COG	ARQ 96 Bd: A: 0504+0540+1717+2040-0140 msgs or "ch" (FGA) or wx with WMO headings
			B: 0503+0528-0539 msgs (FGA)
9290.0	FUJ	FN Noumea, NCL	75 Bd: 0443 msg + msgs (Slgs, 5fgs) to FAAG
	RTQ 78	Sverdlovsk Met., SW, URS	24 h ry or wx
9295.0	FDC 3	FAF Dijon, F	CW
9298.0	SOJ 229	PAP Warsaw, POL	0600 E nx
9305.0	TLZ 93	SOCATI Bangui, CAF	SSB
9310.7		MFA Cairo, EGY	SITOR-A: 1723 ATU-A msg (nx)
9313.5	'U'	Beacon Murmansk, RU, URS	CW
9315.0	SWA	Athens Air, GRC	24 h ry or msgs (GEC)
9316.5	FDY	FAF Orleans, F	CW
9316.7		Egyptian E Rabat, MRC	SITOR-A: 1723 msg (Slgs) + ATU-A msgs to Cairo
9318.0	DHJ 51	Grengel Meteo, D	0521-2105 ry or wx
9330.0	XVN 26	VNA Hanoi, VTN	1500 E nx, 1600 F nx
9330.6	JXZ	NATO Kolsaas, NOR	0750 foxes without ID
9336.0		Port Moresby Air, PNG	SSB

9340.0	RCH 72	Tashkent Met., UZ, URS	FAX // 3690.0 kHz \$
9341.0	FDY	FAF Orleans, F	0817+1036+1308+1451 ry
9347.5	STK	Khartoum Air, SDN	1408-0142 ry or msgs (SKA)
9348.0	ZRS	Transvaal Cove Meteo, MRN	AUTOSPEC 68 Bd: 0258 clg + wx to ZRO
9350.0	RVU 75	R Moscow feeder, RU, URS	89B
9353.0	OLX 5	CETEKA Prague, TCH	1600+1700+1800+1900+2100 E nx
9355.0	MKD	RAF Akrotiri, CYP	VFT: 0837+1742 ry
9360.0	OXT	Copenhagen Meteo, DNK	FAX // 5850.0 kHz \$
9362.0	IRG 53	ANSA Rome, I	CW
9378.6	3BZ	Plaisance Air, MAU	1700 E nx
9383.0	NPN	USN Apra Harbour, GUM	0344+1017 msgs (PTA)
9388.0	ZAO 3	PTT Tirana, ALB	FAX // 3379.5 kHz \$
9391.0	SOJ 239	PAP Warsaw, POL	1600 ry, clg Beijing
9395.0	HMF 84	KCNA Pyongyang, KRE	2000 E nx
9396.0	NPM	USN Pearl Harbour, HWA	1245 R nx wca, 1500+1600 E nx, 1800-2100+2130-2400 F nx
9396.4	FTJ 39A.G	AFP Paris, F	FAX // 2122.0 kHz \$
9397.8	FTJ 39A.F	AFP Paris, F	0330-0430+1600+1700+1800-1900 E nx
9402.5	ISY 94	ANSA Rome, I	1600+1700+1800+1900 F nx
9406.0	ADK	SN/USN Rota, E	1700 E nx, 1800 F nx
9417.0	BZP 59	XINHUA Beijing, CHN	FAX // 3379.5 kHz \$
9419.0	CUA 48	CPRM Lisbon, POR	0100+0200+1400+1500+1600+1800 E nx
9420.0	GYU	RN Gibraltar, GIB	CW
	RMD 57	TASS Moscow, RU, URS	0821 foxes
9426.0	5BT	ASECNA Antananarivo, MDG	1400+1600+1800+2000 E nx
9426.5		MFA Rome, I	0440 "ch" (TPB)
9430.0	ZAT	ATA Tirana, ALB	SITOR-A: 1623 msg
	3MA 34	CNA Taipei, TAI	0900-1045 F nx, 1100+1500+1700-1845 E nx
9435.0	KRH 51	USE London, G	FAX // 5117.0 kHz
9438.0	JMJ 3	Tokyo Meteo, J	75 Bd: 0557-1758+2324 foxes
9439.0	KRH 51	USE London, G	FAX // 3365.0 kHz \$
9443.0	ISY 95	IINA Rome, I	// 9435.0 kHz
9446.0	5HD	Dar es Salaam Air, TZA	1600-1900 A nx
9454.0	SNN 299	MFA Warsaw, POL	0415 ry, 2205 msgs (DWA)
9456.0	RCV	SN Moscow, RU, URS	75 Bd: 0558 ry
9459.0	ZKLF	Auckland Meteo, NZL	CW
9463.0	JYF 4	PETRA Amman, JOR	FAX // 5807.0 kHz \$
9470.0	BPA 64	XINHUA Beijing, CHN	CW
9476.0	RCV	SN Moscow, RU, URS	0800-0900 E nx, 0900+1000+1400+1500 A nx, 1700 E nx
9491.0	BZR 69	XINHUA Beijing, CHN	ARQ 192 Bd: A: 1608 ry
9498.5	NWC	USN Exmouth, WA, AUS	C: 1600 E nx

9500.0 - 9900.0

BROADCASTING

9788.0	FTJ 78	DIPLO Paris, F	0900 E nx, 1000+1100+1200+1300+1400+1900 F nx
9797.0	YOJ 27	AGERPRES Bucharest, ROU	0900 E nx, 1000 F nx
9806.3	FDY	FAF Orleans, F	CW
9807.5	TNL	ASECNA Brazzaville, COG	ARQ 96 Bd: A: 0732 wx with WMO headings
9846.0	TUH	ASECNA Abidjan, CTI	B: 0625+0732 msgs (FKA)
9848.0	SUA	ASECNA Niamey, NGR	1811-0930 ry or msgs (ILA)
			1720-0928 ry or msgs (NTA)

9850.0	RED 54	TASS Moscow, RU, URS	1700-2000 F nx
9855.0		VoA Tanger, MRC	75 Bd: 0000+0100+2300 E nx
9867.0	YIZ 74	INA Baghdad, IRQ	0600+0700+0800+0900+1000+1100+ 1200+1300+1400+1500+1600-2000 A nx
9868.0	BZS 29	XINHUA Beijing, CHN	1400 E nx
9875.0	ADK	SN/USN Rota, E	FAX // 4053.5 kHz \$
9886.5	GFL 23	Bracknell Meteo, G	24 h ry or wx

9900.0 - 9995.0 FIXED

9900.0	FDY	FAF Orleans, F	CW
9909.0	S7Z	Victoria Air, Mahe, SEY	1605 clg 3BZ (SMA)
9916.7	AJE	USAF Wolvey, G	SSB
9919.7	Y7A 42	MFA Berlin, DDR	CW
9920.0	AJE	USAF Wolvey, G	SSB
	Y7A 42	MFA Berlin, DDR	1110 ry
9923.0	'CRD'	USAF Wolvey, G	VFT: 1555 E nx
	AJE	USAF Wolvey, G	VFT: 45 Bd: 1557 E nx
9923.5	4US	UNO Nicosia, CYP	VFT: 75 Bd: 1228 foxes
9926.0	AJE	USAF Wolvey, G	SSB
9927.5	RXA 76	Alma Ata Meteo, KA, URS	75 Bd: 0525-2325 ry or msg
9928.7	KLI 87	Ngenfuss Copyright, D	SSB
9929.3	AJE	USAF Wolvey, G	FAX 120/576: 0300 chart Arc- tic (zenithal projection)
9940.0	MKD	RAF Akrotiri, CYP	CW
			SSB
			VFT: 0628-0047 ry
9965.0	70B 45	ANA Aden, YMS	COMB
9966.5	Y2V 9	ADN Berlin, DDR	1630-1730 A nx, 1800 E nx
9970.0	JMH 3	Tokyo Meteo, J	1300+1400 E nx, 2000+2100 S nx
9972.2	YAK	PTT Kabul, AFG	FAX // 3622.5 kHz \$
			VFT: ARQ 96 Bd: A: 1438 to Mos- cow
9972.5	ZOE	Settlement of Edinburgh Meteo, TRC	AUTOSPEC 68 Bd: 0300 wx
9973.5	YAK	PTT Kabul, AFG	VFT: ARQ 96 Bd: B: 1800 svc msg to Moscow (AMF)
9980.0	LCJ	NTA Oslo, NOR	CW
9980.2	LCJ	NTA Oslo, NOR	FAX 240/288: 1215 s. on with N nx, test charts
9980.5	'RFFA'	MOD Paris, F	ARQ 96 Bd: A: 0634+1648 msg to 'RFVI'
9982.5	KVM 70	Honolulu Meteo, HWA	FAX // 5037.5 kHz \$
9994.0	CSY	Santa Maria Air, AZR	24 h ry or msgs (MCA)

9995.0 - 10003.0 STANDARD FREQUENCY AND TIME SIGNAL

9996.0	RWM	Moscow TS, RU, URS	CW
10000.0	ATA	Delhi TS, IND	SSB
	BPM	Xi'an TS, CHN	CW/SSB
	JJY	Tokyo TS, J	COMB
	LOL 2	AN Buenos Aires TS, ARG	CW/SSB
	RCH	Tashkent TS, UZ, URS	CW
	RTA	Novosibirsk TS, SW, URS	CW
	WWV	Fort Collins TS, CO, USA	COMB
	WWVH	Kihei TS, Maui Island, HWA	COMB

10003.0 - 10005.0

STANDARD FREQUENCY AND TIME SIGNAL + Space Research

10003.0 worldwide MSV SAR operations frequency SSB
10004.0 RID Irkutsk TS, SE, URS CW

10005.0 - 10100.0

AERONAUTICAL MOBILE (R)

10006.0		AMS = 6A 10 13G	SSB
	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1357-1426 msgs
10009.0		AMS = 2B 2C 7B 9B 13K	SSB
10012.0		AMS = 5 10 13J	SSB
10015.0		AMS = 2 6C 12D	SSB
10018.0		AMS = MID, 6B 9 13J 13K	SSB
10021.0		AMS = 1 6B 12C 13G	SSB
10024.0		AMS = SAM, 2B 2C 3B 9B	SSB
10024.7		UNID station (887)	FEC-A 96 Bd: 1330 msgs starting "HSHGUL ..." with UNID tele- printer alphabet
10027.0		AMS = W I/II	SSB
10030.0		AMS = W I/IV	SSB
10033.0		AMS = W II/V	SSB
10036.0		AMS = 1E 6E 13G 13H	SSB
10039.0		AMS = 3B 3C 4A 9B 12C	SSB
10042.0		AMS = EA, 9C 10F 13C 13J 13K	SSB
10045.0		AMS = 2 3A 11B 13H 14	SSB
10048.0		AMS = NP, 2A 5D 13A 13B	SSB
10051.0		AMS = 6A 6E 13I, VNAT	SSB
10054.0		AMS = 2A 2C 6G 12	SSB
10057.0		AMS = CEP, 3A, VAFI	SSB
10060.0		AMS = 1D 6F 13K	SSB
10063.0		AMS = 4B 6G 12E	SSB
10066.0		AMS = SEA, 1B 10A 13M	SSB
10069.0		AMS = W I/IV	SSB
10072.0		AMS = W I/III	SSB
10075.0		AMS = W II/V	SSB
10078.0		AMS = W I/III	SSB
10081.0		AMS = CWP, 4A 6A 7C 13F	SSB
10084.0		AMS = EUR SP, 6E 13D	SSB
10087.0		AMS = 3 14, VSAM	SSB
	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1448 msg to Rome
		Turkish E Rome, I	FEC-A 144 Bd: 1451 tfc to TAD
10090.0		AMS = 12E 12F, VNCA	SSB
10093.0		AMS = 5B 6B 11B 13N	SSB
10096.0		AMS = NCA SAM, 7D	SSB

10100.0 - 10150.0

FIXED + Amateur

10105.0	RKA 79	TASS Moscow, RU, URS	0430+0500 E nx, 1100+1200 A nx
10107.5	ATE 60	Delhi Meteo, IND	FAX // 4993.5 kHz \$
10109.5	60M	Muqdisho Air, SOM	2002 ry
10111.0	5YE	Nairobi Meteo, KEN	75 Bd: 1734-0433 wx
10115.0	TTZ	STIT N'djamena, TCD	VFT: 0712+0720 msgs
	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz \$
10115.4	ITZ	STIT N'djamena, TCD	SSB
10117.0	BAF 4	Beijing Meteo, CHN	FAX // 5527.0 kHz \$
10118.5	NGR	USN Kato Soli, GRC	VFT: 0957 E nx
10120.0	RGI 24	TASS Moscow, RU, URS	0700-1645 F nx
	'RBSL'	IN Bombay, IND	1437-0228 ry

10121.0	'RFFX'	FF Versailles, F	ARQ-E 72 Bd: 0406 msg to 'RFFXL' (XXL)
10121.7	TTZ	STIT N'djamena, TCD	SSB
10123.0	SUU	Cairo Meteo, EGY	FAX // 4526.0 kHz \$
	'RFFX'	FF Versailles, F	ARQ-E 72 Bd: 0444 msg to 'RFFXL' (XXL)
10127.4	DFK 25L1	DW Cologne, D	1049 s. on with ry
10130.0	RBW 48	Murmansk Meteo, RU, URS	FAX 120/576: 0735 chart Northern Europe, 0755 AXXX 0600 Norwegian Sea - Barents Sea
	RBX 73	Tashkent Meteo, UZ, URS	0324-0815 wx
	RCV	SN Moscow, RU, URS	CW
10132.0	TNL	ASECNA Brazzaville, COG	1127+1702-2256 ry or msgs
10137.0	TNL 97	Brazzaville Meteo, COG	1536-0648 ry or wx
10141.0	5BC 46	CTA Nicosia, CYP	SSB QSX 8247.7 kHz
10141.5		MFA Rome, I	SITOR-A: 1002+1042 msg (5lgs)
10143.5	JXZ	NATO Kolsaas, NOR	1043 foxes without ID
10150.0 - 11175.0			
		FIXED + Mobile except aeronautical mobile (R)	
10150.0	SUA 246	MENA Cairo, EGY	0600+0700+0800+0900+1100+1300+1400+1500+1600+1700+1800+1900+2000+2100+2300 A nx
10153.0	9KT 281	KUNA Safat, KWT	1000-1900 E nx
10157.0	9KT 281	KUNA Safat, KWT	0700-2000 A nx
10162.5	YIL 71	INA Baghdad, IRQ	1300-2000 A nx
10165.0	RPT 31	TASS Moscow, RU, URS	1400 E nx
10169.0	HSW 63	Bangkok Meteo, THA	0000+1025+1339 wx
10171.5		MFA Rome, I	SITOR-A: 1719 msg (5lgs)
10173.0		Port Moresby Air, PNG	SSB
10176.0	'RFFA'	MOD Paris, F	ARQ 96 Bd: A: 0910 msgs to 'RFLI' (LFB)
			B: 0910 msgs to 'RFLI' (LSB)
10182.9		Polish E Stockholm, S	75 Bd: 1426 msg to SNN 299
10200.0	MKK	RAF London, G	VFT: 0828-0252 ryi
			COMB
10213.0	CNM 29	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
10215.0	HZN 48	Jeddah Meteo, ARS	100 Bd: 24 h ry or wx
10215.2	'U'	Beacon Murmansk, RU, URS	CW
10220.0	CML 28	PTT Habana, CUB	0001+0250+1316+1436 ry, 1927+2018 clg ITT New York
	MKD	RAF Akrotiri, CYP	VFT: 1828-0907 ryi
	RDW 76	Khab. Meteo, SE, URS	FAX // 3250.0 kHz
10230.0	RKA 78	Moscow Meteo, RU, URS	FAX // 53.6 kHz \$
10233.0		VoA Bethany, OH, USA	VFT: 75 Bd: 0100+0200 E nx, 0300 A nx, 2200+2300 E nx
			// 10233.0 kHz
			SSB
10234.3		VoA Bethany, OH, USA	1724 ry
10235.0		VoA Greenvl. fdr., NC, USA	0600+0700 P nx, 1400+1500+1600+1800+1900+2000 E nx
10235.5	STK	Khartoum Air, SDN	VFT: 1733-0525 ryi
10240.0	RGE 34	TASS Moscow, RU, URS	FAX // 3650.0 kHz \$
			FAX \$
			CW
10250.0	MKD	RAF Akrotiri, CYP	FAX // 3379.5 kHz \$
		Madrid Meteo, E	
10253.0	NPN	USN Apra Harbour, GUM	
10255.0	KWS 78	USE Athens, GRC	
10257.0	NPN	USN Apra Harbour, GUM	
10258.0	RDZ 71	TASS Moscow, RU, URS	0430+0500+1300+1400+1500+1600+1700+2000 E nx
10262.0	'RFVI'	FF Le Port, REU	1528 msgs + encrypted t/c after "KKKK..." to 'RFVITT' (ITT)

10262.0	'RFVITT'	FF Dzaoudzi, MYT	1530 tfc to 'RFVI'
10270.0	RKA 25	TASS Moscow, RU, URS	1300+1400+1600+1700+1800+1900+
			2000+2100 E nx
10275.0	RYM	IAG Moscow, RU, URS	98B
10278.8	YZA 9	TANJUG Belgrade, YUG	1700 F nx
10280.0	MKK	RAF London, G	VFT: 0824-2103 ryi
			COMB
10292.0	NKW	USN Diego Garcia, BIO	FAX // 3379.5 kHz \$
10295.0	EEQ	INTERPOL Madrid, E	SITOR-A: 1523+1720 tfc
	FSB 71	INTERPOL Paris, F	SITOR-A: 1320 msg
			SITOR-B: 0825-1704 tfc or msg
	GMP	INTERPOL London, G	SITOR-A: 0830 msg
	LJP	INTERPOL Oslo, NOR	SITOR-A: 1705 final tfc, s. off
	4NX 7	INTERPOL Belgrade, YUG	SITOR-A: 1448 msg
10296.0	HZN	Jeddah Meteo, ARS	FAX // 5452.0 kHz \$
10298.0	HSW 62	Bangkok Meteo, THA	1042-0118 wx
10307.5	OLG 4	PTT Prague, TCH	1700+1757+1804 to BAC 38 or
			BCL 21
10320.0	BAA 8	Beijing Meteo, CHN	0033-0932 wx
10330.0	RKA 76	PTT Moscow, RU, URS	98B
10335.0	JTD 29	MONTSAME UL Bator, MNG	1600+1700 E nx
10340.0	ULV	SA/AAMC Moscow, RU, URS	1727 clg UZR
10346.0	GYU	RN Gibraltar, GIB	VFT: ARQ 96 Bd: A: 1048 encryp-
			ted tfc
			COMB
10351.5		WODECO Oilrigg, DJI	SITOR-B: 0523 msg to OXY Ji-
			buti
10371.0	NGR	USN Kato Soli, GRC	VFT: 0738+2233 E nx
10380.0	RBW 43	SAM Murmansk, RU, URS	0708+0815 R msg
10380.8		VoA Bethany, OH, USA	wtsc
10382.2		VoA Bethany, OH, USA	VFT: 75 Bd: 0800+1000+1100 E nx
10383.0	5YE	Nairobi Meteo, KEN	// 10380.8 kHz
10387.0	5YE	Nairobi Meteo, KEN	1821-0523 ry or wx
10389.0	5NL	Lagos Air, NIG	FAX // 6956.0 kHz \$
			1604-0836 ry or msg or to
			5NK (ANB)
10390.0	FSB 57	INTERPOL Paris, F	SITOR-A: 1715+2005 tfc + msg to
			4NX 7
	4NX 7	INTERPOL Belgrade, YUG	SITOR-A: 0948+1543+1716 tfc
10390.2	JBF 40	KDD Tokyo, J	98B
10398.0	HGX 21	MFA Budapest, HNG	1645 clg HGX 41
10408.0	9VF 63	ANSA Singapore, SNG	1700 E nx
10414.0	HGX 21	MFA Budapest, HNG	1132 clg HGX 45
10415.0	JJD	RRL Tokyo, J	CW
	SNN 299	MFA Warsaw, POL	75 Bd: 1610-1723 ry or msg
			(5fgs) to European embassies
	'RFTJFO'	FF Ouagadougou, BFA	ARQ-E 72 Bd: 0204 msg to
			'RFTJ' (FOJ)
10420.0		RFE Holzkirchen feeder, D	18B
10424.0	YMA 8	Ankara Meteo, TUR	24 h ry or wx
10429.0	Y7A 44	MFA Berlin, DDR	CW
10435.0	ZAY	ATA Tirana, ALB	1400+1500 F nx
10440.0	Y3A 5	DP Berlin, DDR	1417 ry
10445.0	ZRH	SAN Capetown, AFS	0538 ry
			100 Bd: 2232 ry
10449.2	AYD 355	Comodoro Rivadavia, ARG	2215-2255 msg
10454.0		VoA Greenvl. fdr., NC, USA	98B
10461.0	4UZ	UNO Geneva, SUI	75 Bd: 0331+0854-1342 msg
10463.7	Y7A 45	MFA Berlin, DDR	CW
10464.0	KWL 90	USE Manila, PHL	CW
	Y7A 45	MFA Berlin, DDR	0130-1539 ry or tfc
10465.0	RKA 74	APN Moscow, RU, URS	100 Bd: 0700+0800+1000 R nx
			wtsc

10470.0	BLM 23	Chengdu Meteo, CHN	0149+0610+0933 wx
10470.5	FDY	FAF Orleans, F	0829 ry
10475.2	CNM 34X9	MAP Rabat, MRC	0900-1030+1530-1700 A nx
10479.5	BCX 22	PTT Shanghai, CHN	1156 clg OLD, 1236+1836 to OLD
10486.0	9NK	Kathmandu Air, NPL	0026-0153 ry or to AWC
10495.0	MKD	RAF Akrotiri, CYP	VFT: 24 h ryi
			COMB
10501.2	CNR 78	PTT Ad Dakhla, MRC	SSB
10509.5	6DM	Muqdisho Air, SOM	0044+1813 ry
10518.0		JANA Tripoli, LBV	1400+1500+1700+1800 A nx
10520.0		Murmansk Met., RU, URS	FAX // 4142.0 kHz \$
10524.0	HMF 45	KCNA Pyongyang, KRE	1145-1445 F nx
10526.0	70B 48	YEMENEL Aden, YMS	ARQ 96 Bd: B: 0700 to Moscow
10528.0	RIW	SN Khiva, UZ, URS	CW
10532.9	'CRO'	USAF Wolvey, G	VFT: 75 Bd: 1836+2153+2236 wx
10533.7	'CRO'	USAF Wolvey, G	VFT: 75 Bd: 1833 foxes
10534.1	'CRO'	USAF Wolvey, G	VFT: 2234 E nx
10534.6	'CRO'	USAF Wolvey, G	// 10534.6 kHz
10535.0	ATS 61	OTS Delhi, IND	0354-1402 to Kabul (BK)
10536.0	CFH	CF Halifax, NS, CAN	75 Bd: 24 h ry or wx
			FAX // 122.5 kHz \$
			VFT: 1538 E nx
10536.9	AJE	USAF Wolvey, G	COMB
10537.8	AJE	USAF Wolvey, G	1106 ry
10540.2	CSY	Santa Maria Air, AZR	0100+0700+0900+1100+1300+1400+
10543.0	Y2V 54	ADN Berlin, DDR	1500+1600+1700+1800+1900+2000
			E nx
10554.0	Y7A 46	MFA Berlin, DDR	0831-1554 ry or tfc
10554.3	Y7A 46	MFA Berlin, DDR	CW
10555.0	AXI 34	Darwin Meteo, NT, AUS	FAX // 5755.0 kHz \$
10562.2	FTK 56A	AFP Paris, F	CW
10570.0	RWH 79	Alma Ata Meteo, KA, URS	0313-1223 wx
			FAX 60/576: 0430 analysis Ka-
			zakhstan
10580.0	HMF 46	KCNA Pyongyang, KRE	1000-1100+1500-1700 E nx
10586.0	MKD	RAF Akrotiri, CYP	VFT: 24 h ryi
			COMB
10595.0	RKD 48	APN Moscow, RU, URS	100 Bd: 0700+0800+1100 P nx
	RKD 48	R Moscow feeder, RU, URS	SSB
10595.2	CNM 36X9	MAP Rabat, MRC	1000-1130+1530-1700 F nx
10596.0	BAC 27	PTT Beijing, CHN	1312 to Prague
10598.8		Czech E Ankara, TUR	75 Bd: 0506 msgs to DMZ
10600.0	XVN 37	VNA Hanoi, VTN	1400+1500+1600+1700 E nx, 1800
			F nx
10605.0	'RFTJ'	FF Dakar, SEN	ARQ 96 Bd: B: 0333+2133+2203
			svc msgs + "contrôle de voie"
			to 'RFQP' (TJA)
			(sp 10820.0 kHz)
10609.6	BAL 21	PTT Beijing, CHN	1100 F nx
10610.0	SUA 251	MENA Cairo, EGY	75 Bd: 1050 msg + final tfc to
10612.0		Yugoslav E Bucharest, ROU	'DFZG', s. off
10612.8	S2D	Dhaka Air, BGD	1938 msg (DBA)
10614.3	FTK 61H1	AFP Paris, F	1800 F nx
10615.0	GYU	RN Gibraltar, GIB	75 Bd: 1205 foxes
10615.7	FTK 61H3	AFP Paris, F	1800 E nx
10630.0	RSF 22	Tbilisi, GE, URS	CW
10634.1	CNM 37.9X	MAP Rabat, MRC	1000-1130+1530-1700 F nx
10635.0	SUC	Cairo Air, EGY	24 h ry or msgs (ESA)
10637.0	KKN 50	MFA Washington, DC, USA	CW
10637.5		R Moscow feeder, RU, URS	SSB
10640.0		AZAP Kinshasa, ZAI	0730+1300+1400+1600+1700+1800+
			1900+2000 F nx

10644.0	'C'	Beacon Moscow, RU, URS	CW
10644.2	'P'	Beacon Kaliningrad, RU, URS	CW
10645.0	'D'	Beacon Odessa, UK, URS	CW
10646.0	FTK 64	DGT Paris, F	SSB
	'D'	Beacon Moscow, RU, URS	CW
10650.0	BJZ 23	Wuhan Meteo, CHN	0015-0935 wx
10652.4	SUY 610	SOMAIR Niamey, NGR	0710+0720 msgs + tfc to Arlit
10654.0		R Moscow feeder, RU, URS	SSB
10654.3	HSD	Bangkok Air, THA	1022-1933 msgs (BDA)
10654.7	SUY 610	SOMAIR Niamey, NGR	SSB
10657.0	OCB 31	Lima Meteo, PRU	FAX // 5837.0 kHz \$
10657.3	CUW	PAF/USAF Lajes AFB, AZR	COMB
10663.6	CUW	PAF/USAF Lajes AFB, AZR	VFT: 75 Bd: 0317 foxes
10665.0	'RFTJDA'	FF Libreville, GAB	ARQ-E 72 Bd: 1843 msg to 'RFFWED' (DAD)
			2231 msgs to Panama
10669.5	CLP 1	MFA Habana, CUB	SSB
10670.0	RZA 26	R Moscow feeder, RU, URS	CW
10671.0	FDY	FAF Orleans, F	0700-1645+1800 F nx
10675.0	REM 51	TASS Moscow, RU, URS	FAX // 6874.0 kHz
10679.5	LRN 2	AP Buenos Aires, ARG	SSB
10680.0	FBG 55	FMC Biscarrosse, F	ARQ-E 72 Bd: 0358 svc msg to 'RFFX' (NPZ)
10680.6	'RFNP'	FF Saint-Pierre, SPM	FEC-A 144 Bd: 0730 tfc
			24 h ry or wx
10684.0	TAD	MFA Ankara, TUR	CW
10685.5	9DM 17	Tehran Meteo, IRN	0800+0900 E nx
10694.0	SDK 269	PAP Warsaw, POL	1200+1730 S nx
10710.0	JAG 30	JPS Tokyo, J	CW
	JAG 30	PL Tokyo, J	FAX \$
10712.0	RIW	SN Khiva, UZ, URS	CW
	RKA 73	Moscow Meteo, RU, URS	FAX // 5185.0 kHz \$
10715.0	LCN	Rogaland R, NOR	75 Bd: 1430 msgs (5lgs) to 'H6L' (RAD)
10720.0	LRB 72	Buenos Aires Met., ARG	FAX 120/288 LSB ISD: 1628-1855 pix
10726.5	'RFGW'	MFA Paris, F	100 Bd: 0700+0800+0900+1000 R nx wtsc, 1200+1300+1400 E nx
			SSB
10727.0	ORI 50	UPI Brussels, BEL	SITOR-A: 1648 msgs to 'RPTT'
10740.0	RKA 72	APN Moscow, RU, URS	1250+1608-2029 ry or to Y2J or Y3D 5
			ARQ 96 Bd: B: 0828 to Aden
10746.0	OHU 20	MFA Helsinki, FIN	COMB
10753.5	'RPFR'	PAF Lajes AFB, AZR	SSB
10762.8	HMY 56	PTT Pyongyang, KRE	ARQ 96 Bd: A: 2006 to Ho Chi Minh Ville (SHO)
			B: 1755 to Ho Chi Minh Ville (SHO)
10768.6	RTT 42	PTT Moscow, RU, URS	0700-1645 F nx
10772.0	VDD	CF Debort, NS, CAN	0720-0820 E nx
10780.0	AFE 70	USAF Cape Kennedy, FL, USA	75 Bd: 0640+0720 msgs to Mün-chen + Nürnberg
	SDN 6	STA Stockholm, S	0000+0100+0200+1000+2000+2100+2200+2300 S nx
			SSB
10790.0	RKA 71	TASS Moscow, RU, URS	ARQ 96 Bd: A: 0126+0608-2045 msgs or encrypted tfc after "KKKK..." or "controle de voie" or svc msg to 'RFFA' (FKOB, QPA, QPB)
10795.0	JAG 50	KYODO Tokyo, J	
10804.0	'DFZG'	MFA Belgrade, YUG	
10805.0		NA Buenos Aires, ARG	
10809.0		PTT Pyongyang, KRE	
10813.6	'RFQP'	FF Jibuti, DJI	

10813.6	(continued)		B: 0605-2045 msgs or air msgs or encrypted tfc after KKKK..." or "controle de voie" to 'RFFA' (QPA, QPB)
10815.0	IRH 58	ANSA Rome, I	1400+1600+1700+1800 F nx, 1900 E nx, 2000 F nx
10816.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 1824+1830 msg (Slgs), s. off
10820.0	BAL 21	PTT Beijing, CHN	CW
10830.0	ULV	SA/AAMC Moscow, RU, URS	1247+1425+1437 ry
10841.0	MUA	BA London, G	0612 R msg (TASS nx) wtsca;
10854.0	RCV	SN Moscow, RU, URS	0657+0703+0732 R msgs wtsca
10855.0	GXQ	BA London, G	VFT: ARQ 96 Bd: A: 1200 encrypted tfc
10857.6	'RFNP'	FF Saint-Pierre, SPM	CW
10858.0	JAH 70	KYODO Tokyo, J	VFT: 1708+1925 ryi
10859.0	YAD 4	PTT Kabul, AFG	COMB
10860.0		RFE Holzkirchen feeder, D	ARQ-E 72 Bd: 0905 msgs to 'RFFX' (NPI)
10860.4	RSF 23	Tbilisi, GE, URS	FAX 60/288: 1030 s. on with J
10865.0	NAM	USN Norfolk, VA, USA	nx (text)
	RZA 24	APN Moscow, RU, URS	CW
10867.1	'RFVI'	FF Le Port, REU	0339-0640+1152-1430 ry or to
10869.0		VoA Bethany fdr., OH, USA	ATS 61
10872.0	'RFVI'	FF Le Port, REU	ISB
10879.8		VoA Rhodes, GRC	CW
10880.0	RKE 22	TASS Moscow, RU, URS	FAX // 3357.0 kHz \$
	SLA 10	VoA Monrovia, LBR	100 Bd: 0700+0800+1000+1100 R
10881.2		VoA Rhodes, GRC	nx wtsca
10890.0	GXQ	BA London, G	ARQ 96 Bd: A: 1557-1625 msgs to
10893.5	LRB 39	TELAM Buenos Aires, ARG	'RFQP' (FKN)
10905.0	BBA 45	PTT Shanghai, CHN	ISB
10906.7		MFA Cairo, EGY	ARQ 96 Bd: B: 0520 msgs to
10911.0	HGH 29	MTI Budapest, HNG	'RFFA' (REI)
10912.0	FDY	FAF Orleans, F	VFT: 75 Bd: 0800 E nx, 1000+
10916.0	'RFTJ'	FF Dakar, SEN	1100 F nx
10919.5	Y2V 22B	ADN Berlin, DDR	1600 F nx, 1700 E nx
10920.5	Y2V 22A	ADN Berlin, DDR	75 Bd: 0000+0100+0200+2300 E
10922.0	DFK 92	DW Cologne feeder, D	nx
10925.0	CUF 55	FMC Pta. Delgada, Fl., AZR	// 10879.8 kHz
10945.0	CFH	CF Halifax, NS, CAN	VFT: 24 h ryi
10949.6	'RFFA'	MOD Paris, F	COMB
10960.0	3MA 28	CNA Taipei, TAI	1900+2000+2100+2200+2300 S nx
			1145 ry
			SITOR-A: 0015 ATU-A tfc
			1615 F nx
			CW
			ARQ 96 Bd: B: 1643 msg to
			'RFTJF'
			1600 A nx, 1900 E nx
			1600+1900 E nx
			SSB
			SSB
			CW
			ARQ 96 Bd: A: 0520+2012+2039
			msgs or encrypted tfc after
			"KKKK..." to 'RFQP' (PQB)
			B: 0523-2200 msgs or encrypted
			tfc after "KKKK..." to 'RFQP'
			(FDXA, PQB)
			0230-0330+0930-1030+1330-1500
			E nx

10965.0	JYN 41	Amman Meteo, JOR	0615+0915+1215+1415+1515 wx
10966.0	NPD	USN Subic Bay, PHL	FAX // 3379.5 kHz \$
10966.5	FDY	FAF Orleans, F	CW
10967.1	FDY	FAF Orleans, F	1211 ry
10972.0		VoA Tanger, MRC	75 Bd: 0000+0100+0200+0300+
			0400+2300 E nx
10980.0	RDD 79	Moscow Meteo, RU, URS	FAX // 2815.0 kHz \$
10984.0	5NL	Lagos Air, NIG	2349 ry
10985.0	RCB 53	TASS Moscow, RU, URS	0430+0500 E nx, 1500 P nx,
			1700+1800+1900+2000 A nx, 2100
			F nx
10990.0		SABS Riyadh feeder, ARS	18B
10996.0	7RQ 20	MFA El Djaza'ir, ALG	CW
11000.0	RIW	SN Khiva, UZ, URS	CW
		Czech E Ankara, TUR	75 Bd: 0408 msgs
		VoA Tanger, MRC	(sp 10972.0 kHz)
11002.0		GDR E Belgrade, YUG	100 Bd: 1251 tfc to Berlin
11007.0	9VF 76	TAS Singapore, SNG	ARQ 96 Bd: B: 0327 to Delhi
			(SID)
11013.0		DyN Buenos Aires, ARG	75 Bd: 0000+0100+0200+0300+
			1500+2000+2100+2200+2300 S nx
11014.0	SUU	Cairo Meteo, EGY	2006-0533 wx
11015.0	CTU 81	PN Lisbon, POR	88B
11016.5	NKK	USN Karamürsel, TUR	VFT: 0434 foxes
11017.0	'RPFN'	PN Lisbon, POR	0925 msgs to 'RETJ'
11017.8	NKK	USN Karamürsel, TUR	88B
11021.5		MFA Rome, I	SITOR-A: 1638 msg (5lgs)
11025.0	UHO 2	Yuzhno-Skl. Meteo, FE, URS	CW
11027.0	IRI 20	IINA Rome, I	1400-1600 A nx
11027.5	9PL	Kinshasa Air, ZAI	1624-0649 ry or msgs (ZLA)
11030.0	AXM 34	Canberra M., ACT, AUS	FAX // 5100.0 kHz \$
	DFL 21	DW Cologne feeder, D	88B
11035.0	UKS	SAM Barentsburg,	0732-1552+2146 clg ULV
		Spitsbergen, NOR	
11039.0	DDH 9	Hamburg Meteo, D	CW
11042.0	'RFTJD'	FF Libreville, GAB	ARQ 96 Bd: B: 0000 msg to
			'RFTJ' (JDJ)
11048.0	RIW	SN Khiva, UZ, URS	CW
11049.0	NGR	USN Kato Soli, GRC	VFT: 0526+0907+1255+1613 E nx
11060.0	TZH	ASECNA Bamako, MLI	ARQ 96 Bd: A: 1647 msgs (BDA)
	'K4X'	French E Tunis, TUN	75 Bd: 1419 clg 'P6Z'
11061.5	STK	Khartoum Air, SDN	1148-0602 ry or msgs (SKA)
11063.0	LZU 2	Sofia Meteo, BUL	0601-1743 ry or wx
11065.0	YAV	Kabul Air, AFG	1528-0459 ry or clg EPD or
			msgs (KTA)
11070.0	LOR	AN Puerto Belgrano, ARG	75 Bd: 0500 ry, 1447+2020 msgs,
			2205+2217 msgs (navigational
			warnings), 2248 msgs
11080.0	YKP 28	SANA Damascus, SYR	0700+0800+0900+1200+1300+1400+
			1500 A nx
11085.0	'RFGW'	MFA Paris, F	75 Bd: 1000 msg (5lgs) to 'H6L'
11086.5	GFA 24	Bracknell Meteo, G	FAX // 3289.5 kHz \$
11089.0	XTA 9	FCR Ouagadougou, BFA	88B
11090.0	KVM 70	Honolulu Meteo, HWA	FAX // 5037.5 kHz \$
11095.0	MKD	RAF Akrotiri, CYP	VFT: 0012+1046-2015 ryi
			COMB
11100.0	CAK	Santiago Air, CHL	0527+2128-0103 ry or msgs
11105.0	USZ	SAM Dikson, SW, URS	1552 clg ULV
11108.8	'RFLI'	FF Fort de France, MRT	ARQ 96 Bd: B: 0428-2340 msgs
			or "contrôle de voie" to 'RFFA'
			(ALI, FBL, FDI)
11110.0	LZG 2	BTA Sofia, BUL	1200+1300 F nx

11118.0	UZW 42	Moscow, RU, URS	1035 clg SNG 203
11123.5	5YE	Nairobi Meteo, KEN	100 Bd: 1233-1621 wx
11125.0	DFL 26	DPA Hamburg, D	1500+1600+1700+1800 E nx
11126.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11127.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz \$
11130.0	ULV	SA/AAMC Moscow, RU, URS	2135 R msgs wtsca
11132.0	RMP	SN Kaliningrad, RU, URS	CW
11133.0	BZG 41	XINHUA Beijing, CHN	1400+1500+1600+1700+1800 F nx
11133.5	PBC 911	DN Goeree Island, HOL	75 Bd: 0325+1301-1948 ry
11142.0	KRH 50	USE London, G	CW
11148.2	8WD 2	MFA Delhi, IND	1230 msg to Thimphu
11149.0	'DFZG'	MFA Belgrade, YUG	75 Bd: 0530 ry
11150.0		VoA Greenville, NC, USA	75 Bd: 1600+1700+1800+2100 E nx
11150.4	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11156.0	RIW	SN Khiva, UZ, URS	CW
11163.0	LZU 2	Sofia Meteo, BUL	(sp 11063.0 kHz)
11164.7	STA 17	SNIM Nouadhibou, MTN	VFT: 0716-1538 msg
11165.7	STA 17	SNIM Nouadhibou, MTN	// 11164.7 kHz
11171.5		MFA Rome, I	SITOR-A: 1500 msg (5lgs)
11173.0	STA 17	SNIM Nouadhibou, MTN	SSB

11175.0 - 11275.0 AERONAUTICAL MOBILE (OR)

11175.0	'RIFMCF'	IN Rome, I	75 Bd: 2338 clg 'I11C'
11176.0		SABS Riyadh feeder, ARS	ISB
11180.5	LBL	many USAF stations	SSB
11193.0	RFNV	NA Oslo, NOR	SSB
11200.0	MVU	Moscow Air, RU, URS	CW
11204.0	MQP	RAF London, G	SSB
11209.0	CUW	RAF Upavon, G	SSB
11213.0	MKL	PAF/USAF Lajes AFB, AZR	SSB
11222.0		RAF Edinburgh, G	CW
11226.0	CUW	Stockholm Air, S	SSB
11231.7		PAF/USAF Lajes AFB, AZR	SSB
		Egyptian E Dakar, SEN	SITOR-B: 1451 ATU-A msg to Cai-
11233.0		many RCAF stations	ro; QSX 11256.7 kHz
11234.0	GFW	RAF Akrotiri, CYP	SSB
11237.5		INTERFLUG Berlin, DDR	SSB
11243.0		many USAF stations	SSB
11256.7		MFA Cairo, EGY	SSB
			SITOR-A: 1038 ATU-A tfc to Da-
11274.0	'DFZG'	MFA Belgrade, YUG	kar; QSX 11231.7 kHz
			75 Bd: 0830 msg + msg (5fgs)
			+ encrypted msg; 0844 QSY
			12297.0 kHz

11275.0 - 11400.0 AERONAUTICAL MOBILE (R)

11276.0	AMS = 2A 2C 6G 10E 13J	SSB
11279.0	AMS = NAT, 2B 6F 9C	SSB
11282.0	AMS = CEP, 4A 6G 13H	SSB
11285.0	AMS = 2A 3B 7	SSB
11288.0	AMS = 5A 6G 11B	SSB
11291.0	AMS = SAT, 3B 3C	SSB
11294.0	AMS = 2A 6G 7C	SSB
11297.0	AMS = 2 12F	SSB
11300.0	AMS = AFI, 6G 13H	SSB
11303.0	AMS = 3C 13E	SSB
11306.0	AMS = 6G 7E 11B	SSB

11309.0		AMS = NAT, 3A 6D	SSB
11311.7		MFA Cairo, EGY	SITOR-A: 0737+1359 ATU-A tfc
11312.0		AMS = 5 9C 9D	SSB
11315.0		AMS = 6B, VCAR	SSB
11318.0		AMS = 3 4A 13D	SSB
11321.0		AMS = 6A 13F	SSB
11324.0		AMS = 3A 3C 4B 12C	SSB
11327.0		AMS = SP, 3B 5 13C	SSB
-11330.0		AMS = AFI NP, 3A 13F	SSB
11333.0		AMS = 2B 2C 10	SSB
11336.0		AMS = NAT, 3	SSB
11339.0		AMS = 2B 6B 9 13K	SSB
11342.0		AMS = W II/III	SSB
11345.0		AMS = W I/IV	SSB
11348.0		AMS = W II/V	SSB
11351.0		AMS = W I/III	SSB
11354.0		AMS = W II/V	SSB
11357.0		AMS = 6A 6E 10A	SSB
11359.0	RFNV	Moscow Air, RU, URS	CW
11360.0		AMS = SAM, 2 3 14	SSB
11363.0		AMS = 1 6E 10A	SSB
11366.0		AMS = 1C 6B 6F 13K	SSB
11369.0		AMS = 6G 13G	SSB
11372.0		AMS = 2C 3B 6D	SSB
11375.0		AMS = MID, 10A 13C	SSB
11378.0		AMS = 3C 13M, VEUR	SSB
11381.0		AMS = 6 12E 12J	SSB
11384.0		AMS = CWP, 1D 12J	SSB
-11387.0		AMS = CAR, VSEA	SSB
11390.0		AMS = 2 10	SSB
11393.0		AMS = 9B 12E, VMID	SSB
-11396.0		AMS = CAR EA SEA	SSB
11400.0 - 11650.0	FIXED		
11400.0	6VK 511	TELESENEGAL Dakar, SEN	SSB
11405.0	BDF	Shanghai Meteo, CHN	(sp 11420.0 kHz)
11411.5	GXQ	BA London, G	VFT: 0532-2144 ry1 COMB
11411.7		KCNA Pyongyang, KRE	FAX // 7363.7 kHz
11415.0	FDY	FAF Orleans, F	2000 ry
11420.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz
	'VNA 86'	VNA Hanoi, VTN	1100 E nx, 1200+1300 F nx, 1400+ 1500+1600+1700 E nx
11423.5	SOL 242B	PAP Warsaw, POL	SITOR-B: 1200+1300+1400+1800 Polish nx
	SPW	Warsaw R, POL	SITOR-A: 0327-1545 tts; QSX 12521.5 kHz
11425.0	SPW	Warsaw R, POL	CW
		Vietnamese E	SSB
		El Djaza'ir, ALG	ARQ 192 Bd: B: 1408-1556 msgs (5lgs) + msgs + tfc to Hanoi
11430.0	HMF 55	KCNA Pyongyang, KRE	C: 1603 msg
11435.0	BDF	Shanghai Meteo, CHN	1500-1700 E nx, 2130-2400 F nx
	CXK	Montevideo Air, URG	(sp 11420.0 kHz)
	OVG	DM Frederikshavn, DNK	2110-0259 ry or msgs (MRA)
11437.5	MUA	BA London, G	CW
			ARQ 96 Bd: A: 0330+1412-1948 encrypted tfc
11443.0	9JZ	Lusaka Air, ZMB	B: 1319+1645 encrypted tfc 0451-0538+1630-1919 msgs (LZA)

11444.6	FDY	FAF Orleans, F	0334 ry
11450.0	RDD 77	Moscow Meteo, RU, URS	24 h ry or wx
11453.0	IMB 3	Rome Meteo, I	24 h ry or wx
11454.0	LBA 10	NN Stavanger, NOR	CW
11459.0	Y7A 49	MFA Berlin, DDR	0524-1855 ry or tfc
11467.0	MKD	RAF Akrotiri, CYP	VFT: 0507 ryi
11470.0	RNK 33	TASS Moscow, RU, URS	1700 E nx
11474.0	KKN 44	USE Monrovia, LBR	CW
11475.0	HMF 52	KCNA Pyongyang, KRE	0030-0100 F nx, 1800 E nx, 2330-2400 F nx
11477.0		VoA La Union, P. I., PHL	75 Bd: 2300 E nx
11483.0	'RFGW'	MFA Paris, F	FEC-A 144 Bd: 1305 tfc + msg (5lgs) to 'U3H' (RAD)
11486.0	TUH	ASECNA Abidjan, CTI	0110-1753 ry or msg (IBA)
11488.0	RIW	SN Khiva, UZ, URS	CW
11493.0	9KT 282	KUNA Safat, KWT	1000-1900 E nx
11494.0	SOL 249	PAP Warsaw, POL	1100 E nx, 1200 Polish nx, 1500 R nx wca
11495.0	RCT 55	TASS Moscow, RU, URS	1600 F nx
11497.0	SOL 349	PAP Warsaw, POL	0000+1400 E nx
	9KT 282	KUNA Safat, KWT	0700-2000 A nx
11500.0	8BB 35	Jakarta Meteo, INS	0134 wx, 0639+2159 ry
11502.0	LZH 4	BTA Sofia, BUL	0800+1330+1830 E nx
11507.5	STK	Khartoum Air, SDN	24 h ry or msg (SVA)
11510.0	RGD 29	R Moscow feeder, RU, URS	ISB
11515.0	MKD	RAF Akrotiri, CYP	VFT: 0708 ryi
	TZH	ASECNA Bamako, MLI	0812 msg (BIA)
11518.7	COP	Klingenfuss, D	ARQ: 1987 (C)
	YRI	Ght Publications	7400 Tuebingen (FRG)
11520.0	RCR 77	Khabarovsk Met., SE, URS	0710-1901 wx
11525.0	RWZ 77	Moscow Meteo, RU, URS	FAX // 53.6 kHz \$
11532.5	NGR	USN Kato Soli, GRC	VFT: 0728 E nx
11535.0	SOL 353	PAP Warsaw, POL	CW
11536.0	HMF 49	KCNA Pyongyang, KRE	0800-1030 E nx, 1145-1430+1800- 2100 F nx
11538.5		MFA Bonn, D	ARQ-E 96 Bd: 1225 msg to Lagos
11539.8	RTW 53	Kuybishev, RU, URS	CW
11540.0	9MY 21	PTT Kuala Lumpur, MLA	ARQ 96 Bd: A: 0357 to Sydney (LSA)
11541.1	70C	Khormaksar Air, YMS	1350+1658 ry
11546.0	5YD	Nairobi Air, KEN	1204+1531-0508 ry or msg
11550.0	MKK	RAF London, G	VFT: 0957+1058+1657 ryi
			COMB
11570.0	NBA	USN Balboa, PNR	75 Bd: 2108 tfc + msg to PWZ
11571.8	BZC 75	Urumqi Meteo, CHN	0130 wx
11574.0	Y7A 51	MFA Berlin, DDR	0625+2120 tfc
	9KT 29	KUNA Safat, KWT	1000-1900 E nx
11575.0		APN Moscow, RU, URS	75 Bd: 0600+0700 R nx wtsca, 0900+1000 E nx
			100 Bd: 0500+0800 E nx
11578.0	9KT 29	KUNA Safat, KWT	0700-2000 A nx
11580.3		PETRA Amman, JOR	1100 A nx
11600.0	Y3B 2	DP Berlin, DDR	CW
11606.0	BZS 21	XINHUA Beijing, CHN	1300+1400+1500+1600 E nx
11615.0	RGD 27	APN Moscow, RU, URS	100 Bd: 0800+1000 R nx wtsca
11621.5	SPW	Warsaw R, POL	CW
11633.5	KRH 51	USE London, G	75 Bd: 24 h foxes
11637.5	KRH 51	USE London, G	// 11633.0 kHz
11638.0	DDK 8	Hamburg Meteo, D	24 h ry or wx
11640.0	70C	Khormaksar Air, YMS	0339 msg, 0459+0728 ry
11643.5		MFA Rome, I	SITOR-A: 0539 tfc

11650.0 - 12050.0

BROADCASTING

11662.5	CAN 6D	Presid. Eduardo Frei	FAX // 5302.5 kHz
		Montalva Meteo, CHL	CW
11677.5	TJK	ASECNA Douala, CME	24 h ry
11680.0	BZP 51	XINHUA Beijing, CHN	1400 E nx
12008.0	EBC	SN Cadiz TS, E	CW/SSB
12021.7	NKW	USN Diego Garcia, BIO	2248 ry
12022.5	KKN 50	MFA Washington, DC, USA	CW
12025.0	PWZ	BN Rio de Janeiro, B	FAX // 8291.0 kHz \$

12050.0 - 12230.0

FIXED

12065.0	EPD	Tehran Air, IRN	0403+0428+0747 msg, 0800 "ch", 2000 ry (TKA)
			24 h wx
12075.0	VVD 62	Delhi Meteo, IND	1000-1900 E nx
	9KT 292	KUNA Safat, KWT	0700-2000 A nx
12079.0	9KT 292	KUNA Safat, KWT	0430+0500+0700+0900+1300 E nx, 1800 A nx
12085.0	RCB 55	TASS Moscow, RU, URS	ARQ 96 Bd: A: 1033+1322+1512 msgs or encrypted tfc after "KKKK..." or "controle de voie" to 'RFFA' (DRI, SGI)
			B: 0953-1322 msg or encrypted tfc after "KKKK..." or "controle de cle" to 'RFFA' (SGI)
12088.5	'RFTJ'	FF Dakar, SEN	0800 E nx, 0900 F nx, 1100+1200 E nx, 1400 F nx, 1500 E nx
			1100 E nx
12108.0	IRJ 21	ANSA Rome, I	CW
12110.0	YOM 21	AGERPRES Bucharest, ROU	VFT: ARQ 96 Bd: A: 1438 wx
	ZBP	Adamstown R, PTC	B: 1440 encrypted tfc
12115.0	GYD	RN London, G	ARQ 192 Bd: B: 1448 wx
			COMB
12123.0	CKN	CF Vancouver, BC, CAN	FAX // 4268.0 kHz \$
			CW
12128.0	IRJ 31	ANSA Rome, I	1400+1600 F nx
12132.0	FPM 4	DGT Paris, F	SSB
12135.0	NAM	USN Norfolk, VA, USA	CW
12136.7	'RFFVA'	FF Paris, F	SITOR-A: 1015+1323 msg + en- crypted tfc after "KKKK..." to 'RFPTC'
			VFT: 0851+1849+2010 ry1
12145.0	MKK	RAF London, G	COMB
			SSB
12146.2	FPM 4	DGT Paris, F	VFT: ARQ 96 Bd: A: 0848-1107+
12152.0	MKT	RAF London, G	1505 AFTN msgs (AND) or wx or encrypted tfc
			B: 0953 encrypted tfc, 1106 wx
			COMB
12153.0	FYM 5	DGT Paris, F	SSB
12160.0	RGD 25	R Moscow feeder, RU, URS	ISB
12165.0	RKB 78	Moscow Meteo, RU, URS	FAX // 4202.5 kHz \$
12174.2	ETD 3	Addis Ababa Air, ETH	1315-0622 ry or msgs (VJA)
12175.0	FDY	FAF Orleans, F	0744 ry
	HMF 42	KCNA Pyongyang, KRE	0400-0730+1830-2100+2130-2300 E nx
12186.0		JANA Tripoli, LBY	1400 E nx, 1500 F nx, 1700+1800+
			1900 E nx
12205.0	RDT 72	R Moscow feeder, RU, URS	SSB

12210.0	KWL 90	USE Manila, PHL	CW
		VoA Greenvl. fdr., NC, USA	SSB
12212.3	YZD 7	TANJUG Belgrade, YUG	0800+1000+1100+1200+1300+1400+ 1500+1600 E nx 0400-0600 E nx SSB 100 Bd: 0700+0800 F nx, 0900 A nx 75 Bd: 0000+0100 E nx, 0200+ 0300 A nx, 0400+2300 E nx SITOR-B: 1530 msg 1032 tfc 75 Bd: 0720 msg (5fgs)
12216.0	HMF 28	KCNA Pyongyang, KRE	
12221.0	FTM 22	DGT Paris, F	
12222.5	RUD 38	APN Moscow, RU, URS	
12223.5		VoA Tanger, MRC	
12224.5	FSB	INTERPOL Paris, F	
12227.5	GYU	RN Gibraltar, GIB	
12228.0	'DFZG'	MFA Belgrade, YUG	
12230.0 - 13200.0		<u>MARITIME MOBILE</u>	
12230.0	LZZ 8	Sofia, BUL	0909 clg + tfc to RMK 38
	RCU 79	Novosib. Met., SW, URS	FAX // 4475.0 kHz \$
12236.0	PL2 C	Ujung Pandang, INS	CW
12241.7		MFA Cairo, EGY	SITOR-A: 0834 ATU-A tfc
12245.0	HZN	Jeddah Meteo, ARS	0512-1602 wx
12253.0	FTM 25	DGT Paris, F	SSB
12257.0	CLP 1	MFA Habana, CUB	0428 msg
12263.0	TTL	ASECNA N'djamena, TCD	0150+0600-0836+1554-2211 ry or msg (TNA)
12263.9	HGX 21	MFA Budapest, HNG	0833 clg HGX 22, 1310 tfc
12265.0	BZR 62	XINHUA Beijing, CHN	0200+1400+1500+1600 E nx
12266.2	FTM 26	DGT Paris, F	SSB
12270.5	CUA 63	CPRM Lisbon, POR	ARQ 96 Bd: A: 0647 ry
12275.0	JAL 82	KYODO Tokyo, J	0430-0600+0610-0640+0720- 0820+1000-1100 E nx 100 Bd: 0700+0800+0900+1000+ 1100 R nx wtsc
12285.0	RKU 74	APN Moscow, RU, URS	0430+0500 E nx, 1700 P nx
	RKU 74	TASS Moscow, RU, URS	0515+0830+0945 msg
12297.0	'DOR'	MFA Sofia, BUL	SITOR-A: 1515 ATU-A msg to Cairo
12301.7		Egyptian E Maputo, MOZ	75 Bd: 0715 clg Ulan Bator, s. off; 0832 msg
12310.0	DMZ	MFA Prague, TCH	1433 ry
12310.6	FDY	FAF Orleans, F	1848 wx
12313.0	5YE	Nairobi Meteo, KEN	0430+0500+0600+0700+0800+ 0900+1100+1200+1300+1400+1500+ 1600+1700 E nx
12315.0	RVW 57	TASS Moscow, RU, URS	FAX // 6956.0 kHz \$
			FAX // 4445.0 kHz \$
12317.0	5YE	Nairobi Meteo, KEN	1920 msg (MSA)
12320.0	RYD 76	Novosib. Met., SW, URS	VFT: ARQ 96 Bd: B: 0835 encryp- ted tfc
12323.0	CSY	Santa Maria Air, AZR	COMB
12325.0	GYU	RN Gibraltar, GIB	0430+0500 E nx, 0600+1600 F nx
			CW
12329.0	RDD 72	TASS Moscow, RU, URS	SSB QSX 13100.8 kHz
12330.0	OVG 12	DM Frederikshavn, DNK	SSB QSX 13103.9 kHz
12333.1		ship stations, ch 1201	
		ship stations, ch 1202	
	WCM	Withamsville R, OH, USA	
12336.2		ship stations, ch 1203	SSB QSX 13107.0 kHz
12339.3		ship stations, ch 1204	SSB QSX 13110.1 kHz
12342.4		ship stations, ch 1205	SSB QSX 13113.2 kHz
12345.5		ship stations, ch 1206	SSB QSX 13116.3 kHz
12348.6		ship stations, ch 1207	SSB QSX 13119.4 kHz
12351.7		ship stations, ch 1208	SSB QSX 13122.5 kHz

12354.8		ship stations, ch 1209	SSB	QSOX 13125.6 kHz
12357.9		ship stations, ch 1210	SSB	QSOX 13128.7 kHz
12361.0		ship stations, ch 1211	SSB	QSOX 13131.8 kHz
12364.1		ship stations, ch 1212	SSB	QSOX 13134.9 kHz
12367.2		ship stations, ch 1213	SSB	QSOX 13138.0 kHz
12370.3		ship stations, ch 1214	SSB	QSOX 13141.1 kHz
12373.4		ship stations, ch 1215	SSB	QSOX 13144.2 kHz
12376.5		ship stations, ch 1216	SSB	QSOX 13147.3 kHz
12379.6		ship stations, ch 1217	SSB	QSOX 13150.4 kHz
12382.7		ship stations, ch 1218	SSB	QSOX 13153.5 kHz
12385.8		ship stations, ch 1219	SSB	QSOX 13156.6 kHz
12388.9		ship stations, ch 1220	SSB	QSOX 13159.7 kHz
12392.0		ship stations, ch 1221	SSB	QSOX 13162.8 kHz
		(worldwide calling frequency)		
	worldwide	distress and safety frequency		
12395.1		ship stations, ch 1222	SSB	QSOX 13165.9 kHz
12398.2		ship stations, ch 1223	SSB	QSOX 13169.0 kHz
12401.3		ship stations, ch 1224	SSB	QSOX 13172.1 kHz
12404.4		ship stations, ch 1225	SSB	QSOX 13175.2 kHz
12407.5		ship stations, ch 1226	SSB	QSOX 13178.3 kHz
12410.6		ship stations, ch 1227	SSB	QSOX 13181.4 kHz
12413.7		ship stations, ch 1228	SSB	QSOX 13184.5 kHz
12416.8		ship stations, ch 1229	SSB	QSOX 13187.6 kHz
12419.9		ship stations, ch 1230	SSB	QSOX 13190.7 kHz
12421.0		Port of Spain R, TRD	SSB	
		Roseau Port R, DMA	SSB	
12423.0		ship stations, ch 1231	SSB	QSOX 13193.8 kHz
12426.1		ship stations, ch 1232	SSB	QSOX 13196.9 kHz
12428.0	HOR 24	REFPA Panama R, PNR	SSB	
12429.2	worldwide	coast and ship stations simplex frequency		
	CBO	DGTMM Punta Corona R, CHL		
	CBV	DGTMM Valparaiso R, CHL		
	CBY	DGTMM Hanga Roa R, PAQ		
	COB 36	Flota Cubana F R, CUB		
	CWC 30	UN La Paloma, URG		
	CWC 39	UN Montevideo, URG		
	C6L 8	Morton R, BAH		
	DZO	Bulacan R, PHL		
	DZW	Manila R, PHL		
	D3E	Luanda R, AGL		
	HAR 6	Budapest R, HNG		
	L2F	Buenos Aires R, ARG		
	L2T	Mar del Plata R, ARG		
	L3A	Comodoro Rivadavia R, ARG		
	OCJ 2	CPV Callao R, PRU		
	OSU 58	Oostende R, BEL		
	PCG 55	Scheveningen R, HOL		
	TEC	Puntarenas R, CTR		
	YMG 35	Georgetown R, Pin. I., MLA		
12432.3	worldwide	coast and ship stations simplex frequency		
	CWC 30	UN La Paloma, URG		
	CWC 39	UN Montevideo, URG		
	HAR 6	Budapest R, HNG		
	OSU 59	Oostende R, BEL		
	PCG 56	Scheveningen R, HOL		
12435.4	worldwide	coast and ship stations simplex frequency		
	DZJ	Bulacan R, PHL		
	OCK 5	CNP Lima R, PRU		
	OSU 55	Oostende R, BEL		

12435.4	PC6 57	Scheveningen R, HOL	
12446.7		Egyptian E Moscow, RU, URS	SITOR-A: 0610 ATU-A msgs to Cairo
12457.0	CLP ..	Cuban E Cairo, EGY	0912 msgs to CLP 1
12469.5	'RETJ'	SN Madrid, E	75 Bdi 1515 ry, encrypted tfc
12469.7		MFA Cairo, EGY	SITOR-A: 1621+1626+1706+1846 ATU-A tfc
12471.7		Egyptian E Moscow, RU, URS	SITOR-A: 1331 msg (Slgs), ATU-A msg to Cairo
12491.5		ship stations, series 1	QX 13071.5 kHz
12492.0		ship stations, series 2	QX 13072.0 kHz
12492.5		ship stations, series 3	QX 13072.5 kHz
12493.0		ship stations, series 4	QX 13073.0 kHz
12493.5		ship stations, series 5	QX 13073.5 kHz
12494.0		ship stations, series 6	QX 13074.0 kHz
12494.5		ship stations, series 7	QX 13074.5 kHz
12495.0		ship stations, series 8	QX 13075.0 kHz
12495.5		ship stations, series 9	QX 13075.5 kHz
12496.0		ship stations, series 10	QX 13076.0 kHz
12496.5		ship stations, series 11	QX 13076.5 kHz
12497.0		ship stations, series 12	QX 13077.0 kHz
12497.5		ship stations, series 13	QX 13077.5 kHz
12498.0		ship stations, series 14	QX 13078.0 kHz
12498.5		ship stations, series 15	QX 13078.5 kHz
12499.0		ship stations, series 16	QX 13079.0 kHz
12499.5		ship stations, series 17	QX 13079.5 kHz
12500.0		ship stations, series 18	QX 13080.0 kHz
12500.5		ship stations, series 19	QX 13080.5 kHz
12501.0		ship stations, series 20	QX 13081.0 kHz
12501.5		ship stations, series 21	QX 13081.5 kHz
12502.0		ship stations, series 22	QX 13082.0 kHz
12502.5		ship stations, series 23	QX 13082.5 kHz
12503.0		ship stations, series 24	QX 13083.0 kHz
12503.5		ship stations, series 25	QX 13083.5 kHz
12504.0		ship stations, series 26	QX 13084.0 kHz
12504.5		ship stations, series 27	QX 13084.5 kHz
12505.0		ship stations, series 28	QX 13085.0 kHz
12505.5		ship stations, series 29	QX 13085.5 kHz
12506.0		ship stations, series 30	QX 13086.0 kHz
12506.5		ship stations, series 31	QX 13086.5 kHz
12507.0		ship stations, series 32	QX 13087.0 kHz
12507.5		ship stations, series 33	QX 13087.5 kHz
12508.0		ship stations, series 34	QX 13088.0 kHz
12508.5		ship stations, series 35	QX 13088.5 kHz
12509.0		ship stations, series 36	QX 13089.0 kHz
12509.5		ship stations, series 37	QX 13089.5 kHz
12510.0		ship stations, series 38	QX 13090.0 kHz
12510.5		ship stations, series 39	QX 13090.5 kHz
12511.0		ship stations, series 40	QX 13091.0 kHz
12511.5		ship stations, series 41	QX 13091.5 kHz
12512.0		ship stations, series 42	QX 13092.0 kHz
12512.5		ship stations, series 43	QX 13092.5 kHz
12513.0		ship stations, series 44	QX 13093.0 kHz
12513.5		ship stations, series 45	QX 13093.5 kHz
12514.0		ship stations, series 46	QX 13094.0 kHz
12514.5		ship stations, series 47	QX 13094.5 kHz
12515.0		ship stations, series 48	QX 13095.0 kHz
12515.5		ship stations, series 49	QX 13095.5 kHz
12516.0		ship stations, series 50	QX 13096.0 kHz
12516.5		ship stations, series 51	QX 13096.5 kHz
12517.0		ship stations, series 52	QX 13097.0 kHz
12517.5		ship stations, series 53	QX 13097.5 kHz

12518.0		ship stations, series 54	QX 13098.0 kHz
12518.5		ship stations, series 55	QX 13098.5 kHz
12519.0		ship stations, series 56	QX 13099.0 kHz
12519.5		ship stations, series 57	QX 13099.5 kHz
12520.0		ship stations, non-paired	
	worldwide	NBDPT distr. and safety f.	
		ship stations	QX 12770.0 kHz (GKS 5)
12520.5		ship stations, non-paired	
12521.0		ship stations, non-paired	
12521.5		ship stations, non-paired	
		ship stations	QX 11423.3/13791.3 kHz (SPW)
12522.0		ship stations, non-paired	
12522.5		ship stations, non-paired	
12523.0		ship stations, non-paired	
12523.5		ship stations, non-paired	
		ship stations	QX 12818.0 kHz (SAB 63)
12524.0		ship stations, non-paired	
12524.5		ship stations, non-paired	
12525.0		ship stations, non-paired	
12525.5		ship stations, non-paired	
12526.0		ship stations, non-paired	
12526.5		ship stations, non-paired	
12538.7		MFA Cairo, EGY	SITOR-A: 0710 ATU-A tfc
12540.6		ship stations calling, ch 1	CW
12541.8		ship stations calling, ch 2	CW
12543.0		ship stations calling, ch 3	CW
12544.2		ship stations calling, ch 4	CW
12545.4		ship stations calling, ch 5	CW
12546.6		ship stations calling, ch 6	CW
12547.8		ship stations calling, ch 7	CW
12549.0		ship stations calling, ch 8	CW
12550.2		ship stations calling, ch 9	CW
12551.4		ship stations calling, ch 10	CW
12552.6		ship stations calling, ch 11	CW
12553.8		ship stations calling, ch 12	CW
12555.0		ship stations calling, ch 13	CW
12556.2		ship stations calling, ch 14	CW
12557.4		ship stations calling, ch 15	CW
12558.6		ship stations calling, ch 16	CW
12559.8		ship stations calling, ch 17	CW
12561.0		ship stations calling, ch 18	CW
12562.0	worldwide	ship stations DSC freq.	
12562.5	worldwide	ship stations DSC freq.	
12563.0	worldwide	DSC distress and safety f.	
12620.0		ship stations	QX 12973.0 kHz (UJY)
12624.0		ship stations	QX 8454.0 kHz (UJY)
12625.5		ship stations	QX 12877.5 kHz (UJY)
12655.0	6VA 6	Dakar R, SEN	CW
12655.5	CW./..	many UN stations, URG	CW
	FFT 6	Saint Lys R, F	CW
12658.2	HZ6	Dammam R, ARS	CW
12659.0	LZW 5	Varna R, BUL	CW
12659.5	9VG 37	Singapore R, SNG	CW
12660.0	J..	many R stations, J	CW
	87Q	Victoria R, Mahe, SEY	CW
	YIR	Basrah Control R, IRQ	CW
	5AB	Benghazi R, LBY	CW
	9PA	Banana R, ZAI	CW
12661.5	D..	many R stations, PHL	CW
	UMV	Murmansk R, RU, URS	CW
	XSG	Shanghai R, CHN	CW
12662.0	XSL	Fuzhou R, CHN	CW

12662.0	7TA 8	El Djaza'ir R, ALG	CM
12663.0	CBV	D6THMM Valparaiso R, CHL	CM
	ZSD 51	Durban R, AFS	CM
12664.5	FUM	FN Papeete, Tahiti, OCE	CM
12666.5	5BA	Nicosia R, CYP	CM
12667.5	JCX	Naha R, J	CM
12669.0	OFJ 3	Helsinki R, FNL	CM
	98A	Takoradi R, GHA	CM
12671.0	VFA	CCG Inuvik, NWT, CAN	CM
	VFF	CCG Frobisher B., NWT, CAN	CM
12671.5	UDH	Riga R, LA, URS	1013-1953 ry or R tts wtsca
			CM
12673.5	CLA 33	Habana R, CUB	CM
	EDF 4	Aranjuez R, E	CM
	ETC	Assab R, ETH	CM
	JOU	Nagasaki R, J	CM
12675.0	XFB	Ciudad del Carmen R, MEX	CM
	XFK	La Paz R, MEX	CM
12675.5	A4M	Muscat R, OMA	CM
	NWC	USN Exmouth, WA, AUS	FAX // 3379.5 kHz *
12678.0	FFS 6	Saint Lys R, F	CM
	NGR	USN Kato Soli, GRC	VFT: 0433 E nx
	UQB	Kholesk R, FE, URS	CM
	YJM 3	Port-Vila R, Efate I., VUT	CM
	9MG 3	Georgetown R, Pin. I., MLA	CM
12680.0	5AT	Tripoli R, LBY	CM
12681.5	Y5M	Rügen R, DDR	CM
12682.5	LFC	Rogaland R, NOR	SITOR-A: 0824-2244 tts
			SITOR-B: 0700+1500+1900 N nx
			CM
	P..	many R stations, INS	CM
	TNA 12	Pointe-Noire R, COG	CM
12687.0	JCT	Choshi R, J	CM
	OFJ 32	Helsinki R, FNL	CM
	PPR	Rio de Janeiro R, B	CM
12688.5	UQK	Riga R, LA, URS	CM
12689.0	LZL 5	Bourgas R, BUL	CM
	PPL	Belem R, B	CM
12689.2	SXA	GN Piraeus, GRC	CM
12689.5	PPJ	Juncao R, B	CM
12690.0	ZAD 2	Durres R, ALB	CM
12691.0	EDF 44	Aranjuez R, E	CM
	GXH	RN/USN Thurso, G	CM
12692.2	ZRQ 5	SAN Capetown, AFS	CM
12693.0	EBA	SN Madrid, E	75 Bd: 1000 msg (navigational warnings), 1512 ry, 1700 msg (navigational warnings)
			CM
	URD	Leningrad R, RU, URS	CM
	'98 OQJ'	SN Madrid, E	75 Bd: 0620-2038 clg '95 XRA'
12695.0	OBY 2	Paia R, PRU	CM
12695.5	CNP	Casablanca R, MRC	CM
	KFS	San Francisco R, CA, USA	CM
	XSX	Keelung R, TAI	CM
12696.5	5OZ 23	Port Harcourt R, NIG	CM
12697.0	UBN	Zhdanov R, UK, URS	0738-1111+1426 R ry or tts wtsca
			CM
12697.8	5RS	Toamasina R, MDG	CM
12698.0	A9M	Hamala R, BHR	CM
	ZSC 9	Capetown R, AFS	CM
12699.0	HPP	Panama R, PNR	CM
	YKI	SCOTC Tartus R, SYR	CM

12700.0	D4A 7	Mindelo R, S. Vicente, CPV	CW	
	D4D	Praia R, Santiago, CPV	CW	
	EQM	Bushire R, IRN	CW	
	EQN	Khameini R, IRN	CW	
	EQQ	Khark R, IRN	CW	
	H4H 8	Honiara R, SLM	CW	
	NMR	USCG San Juan, PTR	CW	
	UXN	Arkhangelsk R, RU, URS		0700-1323 R ry or tts wtsca
	XSQ 4	Guangzhou R, CHN	CW	
	3DP	Suva R, FJI	CW	
12702.0	CKN	CF Vancouver, BC, CAN	CW	
	CTP	NATO Lisbon, POR	CW	
	Y5M	Rügen R, DDR	CW	
12703.0	UNM 2	Klaipeda R, LI, URS	CW	
	XFL	Mazatlan R, MEX	CW	
	'RETJ'	SN Madrid, E		75 Bdi 1038 clg 'RETJXX'
12704.5	PKD	Surabaya R, INS	CW	
	PKM	Bitung R, INS	CW	
	WLO	Mobile R, AL, USA	CW	
12705.0	XSR	Haikou R, CHN	CW	
12706.0	UGK	Riga R, LA, URS		1320+1715 R tts wtsca
			CW	
12706.5	L8T	YPF Buenos Aires R, ARG	CW	
12707.0	9VG 34	Singapore R, SNG	CW	
12708.0	XFQ	Salina Cruz R, MEX	CW	
12709.0	A9M	Hamala R, BHR	CW	
	ELC	Monrovia R, LBR	CW	
	FJP 23	Noumea R, NCL	CW	
	L8A 5	Boca R, ARG	CW	
	LZL 5	Bourgas R, BUL	CW	
	Z8C 23	Capetown R, AFS	CW	
	8PO	Bridgetown R, BRB	CW	
	8RB	Demerara R, GUY	CW	
12709.2	VRT	Hamilton R, BER	CW	
	9HD	Valetta R, MLT	CW	
12710.0	VWB	Bombay R, IND	CW	
	XSZ	Dalian R, CHN	CW	
12711.0	HCB	Guayaquil R, EQA	CW	
	UBN	Zhdanov R, UK, URS		1302 ry, 1344+1353+1826 R tts wtsca
			CW	
12712.0	HLW 3	Soul R, KOR	CW	
12712.9	GKN 5	Portishead R, G	CW	
12714.0	CBV	DGTMM Valparaiso R, CHL	CW	
	DUF	Manila R, PHL	CW	
	GKM 5	Portishead R, G	CW	
	UXN	Arkhangelsk R, RU, URS		0727+1108+1111+1330 R tts wtsca
			CW	
12714.9	GKO 5	Portishead R, G	CW	
12715.0	UJQ 7	Kiyev R, UK, URS		1408 R tts wtsca
			CW	
12716.9	ZLO	RNZN Waiouru, NZL	CW	
12718.5	NMN	USCG Portsmouth, VA, USA	CW	
	VWM	Madras R, IND	CW	
12720.0	SVD 5	Athens R, GRC	CW	
	UPB	Provideniya R, FE, URS	CW	
12721.0	SPH 61	Gdynia R, POL	CW	
12722.0	FJY 4	Martin de Vivies R, AMS	CW	
12723.0	UAH	Tallinn R, ES, URS	CW	
	5OZ 23	Port Harcourt R, NIG	CW	
12724.0	9VG 57	Singapore R, SNG	CW	
12725.0	JYO	Aqaba R, JOR	CW	

12725.0	DBC 3	Callao R, PRU	CW
	OSN 48	BN Oostende, BEL	CW
12726.0	CFH	CF Halifax, NS, CAN	CW
	DUS	Manila R, PHL	CW
12727.0	HLJ	Soul R, KOR	CW
12727.5	L6J	Rogaland R, NOR	CW
	XSL	Fuzhou R, CHN	CW
	XSW	Kaohsiung R, TAI	CW
12728.0	J2A 9	Jibuti R, DJI	CW
	L2C	Buenos Aires R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
	YKM 7	Lattakia R, SYR	CW
12729.0	UFL	Vladivostok R, SE, URS	CW
	XFN	Progreso R, MEX	CW
12730.0	NMC	USCG San Francisco, CA, USA	FAX // 4346.0 kHz \$
	UMV	Murmansk R, RU, URS	CW
12732.0	DUN	PN Manila, PHL	CW
	UBN	Zhdanov R, UK, URS	CW
12734.0	XSP	Shantou R, CHN	CW
12735.0	HLX	Soul R, KOR	CW
12736.5	PWZ	BN Rio de Janeiro, B	CW
	TAH	Istanbul R, TUR	CW
	TCR	TURBAN Istanbul R, TUR	CW
12738.0	PPR	Rio de Janeiro R, B	CW
12739.0	UAT	Moscow R, RU, URS	0800 R nx wtsca
			CW
12740.0	XDA	Mexico City R, MEX	CW
	XSD	Yingkou R, CHN	CW
	ZLB 5	Awarua R, NZL	CW
12740.3	GYA	RN London, G	75 Bd: 1113+1427 test
12741.0	FUE	FN Brest, F	75 Bd: 0757 clg FAAC, 0800 encrypted tfc after "hotel alfa 0800z"
12741.6	GZZ 44	RN London, G	FAX // 2813.6 kHz \$
			CW
12743.0	NRV	USCG Apra Harbour, GUM	CW
12744.0	DUN	Manila R, PHL	CW
	RCV	SN Moscow, RU, URS	CW
12745.0	URB 2	Klaipeda R, LI, URS	1115 R tts wtsca
	Y5M	Rügen R, DDR	CW
12745.5	JJC	Tokyo R, J	FAX // 4316.0 kHz
	VWC	Calcutta R, IND	CW
	WKM	West Haven R, CT, USA	CW
12747.5	CBV	DGTMH Valparaiso R, CHL	CW
12748.0	CLA 30	Habana R, CUB	CW
	IRM	CIRM Rome, I	CW
12748.4	TBO 5	TN Izmir, TUR	CW
12750.0	CWA	Cerrito R, URG	CW
	NIK	USCG Boston, MA, USA	FAX // 8502.0 kHz
			CW
	NMF	USCG Boston, MA, USA	SITOR-B: 1218 ice report
	PW.	many BN stations, B	CW
	6YX	JCG Kingston, JMC	CW
12752.0	C6N	Nassau R, BAH	CW
	XFA	Acapulco R, MEX	CW
12752.5	HZ6	Dammam R, ARS	CW
12753.5	OXZ 62	Lyngby R, DNK	CW 25EP88 "V-6 de CKN C13E" 12.753.0
12754.5	PWZ	BN Rio de Janeiro, B	CW
12755.0	UTA	Tallinn R, ES, URS	1322 R tts wtsca
			CW
12755.5	SAB 6	Goeteborg R, S	CW

12757.0	YQI 5	Constanta R, ROU	CW
12759.0	NGR	USN Kato Soli, GRC	FAX // 4053.5 kHz \$
12760.0	IRM	CIRM Rome, I	CW
	UCO	Yalta R, UK, URS	CW
12763.5	DAM	Norddeich R, D	CW
	LPD 76	General Pacheco R, ARG	CW
12765.0	96X	Tema R, GHA	CW
12768.0	CBV	DGTMM Valparaiso R, CHL	CW
	DZY 7	Manila R, PHL	CW
	PCH 50	Scheveningen R, HOL	CW
12770.0	GKS 5	Portishead R, G	SITOR-A: 0616-2135 tts; QSX 12520.0 kHz
			CW
12772.0	ZSC 43	Capetown R, AFS	CW
12772.5	ZSC 38	Capetown R, AFS	CW
12775.0	XFU	Veracruz R, MEX	CW
12777.0	NDT	USN Yokosuka, J	FAX // 3379.5 kHz \$
	NGR	USN Kato Soli, GRC	FAX // 3379.5 kHz \$
12780.0	D3E 61	Luanda R, AGL	CW
	HAR	Budapest R, HNG	CW
12780.5	YUR 5	Rijeka R, YUG	CW
12781.5	DST 5	Oostende R, BEL	CW
	9MB 5	MN Georgetown, Pin.I., MLA	CW
12785.0	XSX	Keelung R, TAI	CW
12786.0	DZW	Manila R, PHL	CW
12788.5	GKD 5	Portishead R, G	CW
12790.0	GKG 5	Portishead R, G	CW
	XF. .	many PEMEX R stations, MEX	CW
	XST	Qingdao R, CHN	CW
12791.5	GKH 5	Portishead R, G	CW
12792.0	CLA 31	Habana R, CUB	CW
	HZG	Dammam R, ARS	CW
12793.0	RND	SA/AAMC Moscow, RU, URS	0804-0816 R tts wtsca
12795.0	OBQ 5	Iquitos R, PRU	CW
	PWZ	BN Rio de Janeiro, B	CW
	UXN	Arkhangelsk R, RU, URS	CW
12797.0	UDK 2	Murmansk R, RU, URS	CW
12799.5	PCH 51	Scheveningen R, HOL	CW
	XSZ	Dalian R, CHN	CW
12800.0	HSA 3	Bangkok R, THA	CW
12801.0	TAH	Istanbul R, TUR	CW
12803.0	UDK 2	Murmansk R, RU, URS	CW
12804.0	DZE	Mandaluyong R, PHL	CW
	PW.	many BN stations, B	CW
	XSI	Sanya R, CHN	CW
12806.0	NKW	USN Diego Garcia, BIO	FAX // 3379.5 kHz \$
	3VP 8	Sakhira R, TUN	CW
12807.7	GYC 5	RN London, G	CW
12808.5	KPH	San Francisco R, CA, USA	CW
	VTG 7	IN Bombay, IND	CW
12810.0	DZD 3	Manila R, PHL	CW
12811.3	HZY	ARAMCO Ras Tanura R, ARS	CW
12813.0	ZPK	Asuncion R, PRG	CW
12815.0	GKF 5	Portishead R, G	CW
	DBF 4	Mollendo R, PRU	CW
	URB 2	Klaipeda R, LI, URS	CW
	XFY	Guaymas R, MEX	CW
12816.0	DZA	Mandaluyong R, PHL	CW
12817.0	S9M	Sao Tome R, STP	CW
12817.5	XSU	Yantai R, CHN	CW
	YVG	La Guayra R, VEN	CW
	9VG 26	Singapore R, SNG	CW

12818.0	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
	OMP 51	Prague R, TCH	CW
	SAB 63	Goeteborg R, S	SITOR-A 0615-1326+2315 tts; QBX 12523.5 kHz
12820.0	VMA 1	Ramnagar Port R, IND	CW
12822.0	GKA 5	Portishead R, G	CW
	XSV	Tianjin R, CHN	CW
12823.5	CTP	NATO Lisbon, POR	CW
12824.0	RIW	SN Khiva, UZ, URS	CW
	XFC	Cozumel R, MEX	CW
12824.2	GYU	RN Gibraltar, GIB	CW
12825.0	UFH	Petropavl.-Ka. R, FE, URS	CW
12826.5	CBV	DGTMM Valparaíso R, CHL	CW
	JCS	Choshi R, J	CW
	SPH 62	Gdynia R, POL	CW
	WNU	Slidell R, LA, USA	CW
12828.0	CLJ	Habana R, CUB	CW
	DZF	Bacoar R, PHL	CW
12829.5	XFM	Manzanillo R, MEX	CW
12830.0	3SD	Beijing R, CHN	FAX // 8460.0 kHz *
12831.0	3BA 5	Port Louis R, MAU	CW
	KLI 87	Ngenfuss Copyright, D	CW
	9MG 3	Georgetown R, Pin. I., MLA	CW
12832.5	DAF	Norddeich R, D	CW
12833.0	SVF 5	Athens R, GRC	CW
12834.0	DZP	Novaliches R, PHL	CW
12835.4	GKB 5	Portishead R, G	CW
12836.0	XDA	Mexico City R, MEX	CW
12838.0	CLJ	Habana R, CUB	CW
12840.0	LZW 52	Varna R, BUL	CW
	PPJ	Juncao R, B	CW
	PPO	Olinda R, B	CW
	VTP 7	IN Vishakhapatnam, IND	CW
12840.5	PBC 312	DN Goeree Island, HOL	75 Bds 0718-2107 ry
12843.0	HLO	Soul R, KOR	CW
	XFP	Chetumal R, MEX	CW
12844.5	KFS	San Francisco R, CA, USA	CW
12849.0	ZSJ 5	SAN Capetown, AFS	CW
12853.5	HKC	Buenaventura R, CLM	CW
	PCH 52	Scheveningen R, HOL	CW
12855.0	XDA	Mexico City R, MEX	CW
12855.8	4WD 3	Hodeidah R, YEM	CW
12856.0	CBV	DGTMM Valparaíso R, CHL	CW
	XSG 7	Shanghai R, CHN	CW
12858.0	DZD	Antipolo R, PHL	CW
	GKI 5	Portishead R, G	CW
12859.0	SVI 5	Athens R, GRC	CW
12860.0	4XO	Haifa R, ISR	CW
12860.5	Y5M	Rügen R, DDR	CW
12860.8	5RS	Toamasina R, MDG	CW
12864.0	DZZ	Manila R, PHL	CW
12864.2	XSW	Kaohsiung R, TAI	CW
12867.0	XYR 8	Rangoon R, BRM	CW
12869.0	WNU	Slidell R, LA, USA	CW
12870.0	DZO	Bulacan R, PHL	CW
	UKA	Vladivostok R, SE, URS	CW
12871.5	GKJ 5	Portishead R, G	CW
	KUQ	Pago Pago R, SMA	CW
	XSG	Shanghai R, CHN	CW
12872.0	SPE 62	Szczecin R, POL	CW
12874.0	VCS	CCG Halifax, NS, CAN	CW

12875.0	FUG	FN La Regine, F	CW	
12876.0	LFJ	Rogaland R, NOR	CW	
	URL	Sevastopol' R, UK, URS	CW	
	VAI	CCG Vancouver, BC, CAN	CW	
	XSM	Xiamen R, CHN	CW	
12877.0	UJY	Kaliningrad R, RU, URS	CW	
	XSQ 7	Guangzhou R, CHN	CW	
12877.5	UJY	Kaliningrad R, RU, URS	1122 ry, 1715 R tts wtsca; Q8X	
			12625.5 kHz	
12878.0	CLS	Habana F R, CUB	CW	
	JCU	Choshi R, J	CW	
12879.5	WSC	Tuckerton R, NJ, USA	CW	
12880.5	SAG 6	Goeteborg R, S	CW	
12885.0	WLO	Mobile R, AL, USA	CW	
	9YL	North Post R, TRD	CW	
12886.5	WLO	Mobile R, AL, USA	CW	
12887.5	EAD 44	Aranjuez R, E	CW	
12888.0	DZK	Bulacan R, PHL	CW	
12889.5	NMO	USCG Honolulu, HWA	CW	
	XSE	Qinhuangdao R, CHN	CW	
12890.0	XSJ	Zhanjiang R, CHN	CW	
12891.0	UFN	Novorossiysk R, RU, URS	24 h R tts wtsca	
			CW	
12893.0	FUF	FN Fort de France, MRT	75 Bd; 1348 ry	
12894.0	DVM 2	Makati R, PHL	CW	
	KWX	NWS Lewes, DE, USA	FAX // 2614.4 kHz \$	
12895.0	UNM 2	Klaipeda R, LI, URS	CW	
	9KK 8	Safat R, KWT	CW	
12898.0	XSG	Shanghai R, CHN	CW	
12898.5	CBV	DGTMM Valparaiso R, CHL	CW	
	DAN	Nordeich R, D	CW	
12900.0	DXF	Davao R, PHL	CW	
	PWZ	BN Rio de Janeiro, B	1900-0222 ry or tfc or wx	
	XVG 8	Hai Phong R, VTN	CW	
12901.0	L2E	Buenos Aires R, ARG	CW	
	L2S	Mar del Plata R, ARG	CW	
	L2X	Comodoro Rivadavia R, ARG	CW	
12901.5	URD	Leningrad R, RU, URS	0708-0813 ry or R tts wtsca	
			CW	
12903.0	ZPK	Asuncion R, PRG	CW	
	'RBSL'	IN Bombay, IND	0434+1431 ry	
12904.5	KLC	Galveston R, TX, USA	CW	
12905.5	UMV	Murmansk R, RU, URS	2039+2313 R tts wtsca	
12907.0	KLB	Seattle R, WA, USA	CW	
12907.5	VIX 5	RAN Canberra, ACT, AUS	CW	
	YUR 6	Rijeka R, YUG	CW	
12910.0	UAT	Moscow R, RU, URS	CW	
12912.0	UHK	Batumi R, GE, URS	CW	
	XSH	Basuo R, CHN	CW	
12912.6	FFL 6	Saint Lys R, F	CW	
12916.5	HLF	Soul R, KOR	CW	
	KLB	Seattle R, WA, USA	CW	
	OXZ 6	Lyngby R, DNK	CW	
12919.0	CLS	Habana F R, CUB	CW	
	UFN	Novorossiysk R, RU, URS	2022 R tts wtsca	
12921.0	ZPK	Asuncion R, PRG	CW	
12923.0	HLW 2	Soul R, KOR	CW	
12925.0	UDK 2	Murmansk R, RU, URS	0607+1218 R tts wtsca	
			CW	
	UGA 4	Kiyev R, UK, URS	CW	
	9KK 20	Safat R, KWT	CW	
12925.5	WCC	Chatham R, MA, USA	CW	

12925.5	4PB	Colombo R, SLK	CW
12928.0	SPH 63	Gdynia R, POL	CW
12930.0	DYP	Cebu R, PHL	CW
	NGR	USN Kato Soli, GRC	VFT: 0814 E nx
12932.5	'98 OQJ'	SN Madrid, E	75 Bd: 0838-1559 clg '95 XRA'
12933.0	UKA	Vladivostok R, SE, URS	CW
12934.5	EDZ 5	Aranjuez R, E	CW
12935.0	HLG	Soul R, KOR	CW
	UHK	Batumi R, GE, URS	CW
12935.5	50Z 23	Port Harcourt R, NIG	CW
12936.0	DZN	Navotas R, PHL	CW
12938.0	OBC 3	Callao R, PRU	CW
12939.0	SPE 61	Szczecin R, POL	CW
12940.0	LZW 53	Varna R, BUL	CW
12942.0	JNA	Tokyo R, J	CW
	SVG 5	Athens R, GRC	CW
12943.4	ZLP 5	RNZN Waiouru, NZL	CW
12943.5	CUB	Funchal R, MDR	CW
	CUG 27	Ponta Delgada R, AZR	CW
	CUL 20	Lisbon R, POR	CW
	9MG 3	Georgetown R, Pin. I., MLA	CW
12947.0	UFB	Odessa R, UK, URS	0520-2020 R tts wtsca
			CW
12948.0	DYV	Iloilo R, PHL	CW
	WKM	West Haven R, CT, USA	CW
12950.0	UFB	Odessa R, UK, URS	CW
12952.5	VIS 5	Sydney R, NSW, AUS	CW
	WMH	Baltimore R, MD, USA	CW
12952.9	WMH	Baltimore R, MD, USA	CW
12954.0	CLS	Habana F R, CUB	CW
	DZU	Pasig R, PHL	CW
	LZL 5	Bourgas R, BUL	CW
	XSG 28	Shanghai R, CHN	CW
12955.0	UFL	Vladivostok R, SE, URS	CW
12957.0	CBV	DGTMM Valparaiso R, CHL	CW
	PWN	BN Natal, B	CW
12958.5	PPD	Olinda R, B	CW
12961.5	LFI	Rogaland R, NOR	CW
	WCC	Chatham R, MA, USA	CW
12963.0	HAR	Budapest R, HNG	CW
12963.5	ZHH	Jamestown R, SHN	CW
12966.0	PWZ	BN Rio de Janeiro, B	CW
	VWB	Bombay R, IND	CW
12966.3	A7D	Doha R, QAT	CW
12969.0	XSV	Tianjin R, CHN	CW
12970.5	PKB	Belawan R, INS	CW
	PKX	Jakarta R, INS	CW
	PKY 4	Sorong R, INS	CW
	SUH 4	Alexandria R, EGY	CW
12972.0	DZH	Manila R, PHL	CW
	HAR	Budapest R, HNG	CW
12973.0	UJY	Kaliningrad R, RU, URS	0745-2245 ry or R msg wtsca; Q5X 12620.0 kHz
			CW
12975.0	IQX	Trieste R, I	CW
12978.0	DYD 2	Cebu R, PHL	CW
	ICB	Genova R, I	CW
12979.5	PPL	Belem R, B	CW
	VIS 49	Sydney R, NSW, AUS	CW
12980.0	PK. ..	many R stations, INS	CW
12984.0	DZM	Bulacan R, PHL	CW
	ZPK	Asuncion R, PRG	CW

12984.0	4XZ	IN Haifa, ISR	CW	
12987.0	YKM 5	SCOT Baniyas Port R, SYR	CW	
12988.5	LPD 88	General Pacheco R, ARG	CW	
	3BM 5	Port Louis R, MAU	CW	
12990.0	DZJ	Bulacan R, PHL	CW	
	UJQ	Kiyev R, UK, URS		0810-0844+1518-1557 R ry or tts wtsca
	UKK 3	Nakhodka R, SE, URS	CW	
12993.0	D4A 7	Mindelo R, S. Vicente, CPV	CW	
	UAT	Moscow R, RU, URS		0817-0905+1415-1552+2109+2130 R tts wtsca
12994.0	VIP 4	Perth R, WA, AUS	CW	
12995.0	ROT	SN Moscow, RU, URS	CW	
12995.3	ELZ	Cape Palmas R, LBR	CW	
12996.0	IAR 33	Rome R, I	CW	
12997.0	SXA 37	GN Piraeus, GRC	CW	
	XSQ	Guangzhou R, CHN	CW	
12999.5	CTU 2	PN Lisbon, POR	CW	
13000.0	UBE 2	Petropavl.-Km. R, FE, URS	CW	
13002.0	DXD 9	Davao R, PHL	CW	
	KPH	San Francisco R, CA, USA	CW	
13002.5	'RPFNCF'	PN Lisbon, POR		0800+1800+2000 wx + navigatio- nal warnings
13005.5	HLW	Soul R, KOR	CW	
13006.5	GKK 5	Portishead R, G	CW	
	XFE	Ensenada R, MEX	CW	
13007.0	OMP 5	Prague R, TCH	CW	
13008.0	DZI	Bacoar R, PHL	CW	
	DZJ 7	Makati R, PHL	CW	
	JOR	Nagasaki R, J	CW	
13010.0	UDK 2	Murmansk R, RU, URS		0439+1622+1715 R tts wtsca
	UQA 4	Kiyev R, UK, URS	CW	
13011.0	AQP 6	PN Karachi, PAK	CW	
	IAR 23	Rome R, I	CW	
	WNU	Slidell R, LA, USA	CW	
	ZPK	Asuncion R, PRB	CW	
13014.0	DYM	Cebu R, PHL	CW	
13014.5	XDA	Mexico City R, MEX	CW	
13015.0	URD	Leningrad R, RU, URS		1409 R tts wtsca
13015.5	IAR 3	Rome R, I	CW	
	J..	many R stations, J	CW	
	OB. .	many R stations, PRU	CW	
13019.8	GKC 5	Portishead R, G	CW	
13020.0	DYE 9	Cebu R, PHL	CW	
13020.4	VPS 60	Victoria Island R, HKG	CW	
13021.0	NMF	USCG Boston, MA, USA		SITOR-B: 1715 ice report, sche- dule
13022.0	SPE 63	Gzeczecin R, POL	CW	
13023.0	D3E 62	Luanda R, ABL	CW	
13023.7	HEB	Berne R, SUI	CW	
13024.0	A7D	Doha R, QAT	CW	
	S3E	Khulna R, BGD	CW	
13024.5	ASK	Karachi R, PAK	CW	
13027.5	DAL	Norddeich R, D	CW	
13028.0	ZSD 46	Durban R, AFS	CW	
13029.0	SVB 5	Athens R, GRC	CW	
	UGB	Kholask R, FE, URS	CW	
13030.0	URD	Leningrad R, RU, URS	CW	
13031.0	VRN 60	Victoria Island R, HKG	CW	
13031.2	FUF	FN Fort de France, MRT	CW	
13032.0	DUN	PN Manila, PHL	CW	
13033.5	WCC	Chatham R, MA, USA	CW	

13036.0	RCV	SN Moscow, RU, URS	CW
13038.0	DZD 9	Manila R, PHL	CW
	KLC	Galveston R, TX, USA	CW
	OXZ 61	Lyngby R, DNK	CW
		UNID Soviet station (887)	FAX 60/576; 1230 chart Europe - Russia with Cyrillic text
13040.0	UFN	Novorossiysk R, RU, URS	CW
13041.0	UFB	Odessa R, UK, URS	1555 R tts wtsca
13042.0	P2M	Port Moresby R, PNG	CW
	P2R	Rabaul R, PNG	CW
13042.5	C9C 7	MN Maputo TS, MOZ	CW
	FUV	FN Jibuti, DJI	CW
	PJC	Willemstad R, Curacao, ATN	CW
	XVS 9	Ho Chi Minh Ville R, VTN	CW
	9LL	Freetown R, SRL	CW
13044.0	DZN 4	Manila R, PHL	CW
	VPS 61	Victoria Island R, HKG	CW
13046.0	PZN 4	Paramaribo R, SUR	CW
13047.0	D4A 8	Mindelo R, S. Vicente, CPV	CW
	SVA 5	Athens R, GRC	CW
13049.5	HPP	Panama R, PNR	CW
13050.0	UDK 2	Murmansk R, RU, URS	1134+1540+1835 R tts wtsca
			CW
13051.5	ASK	Karachi R, PAK	CW
	WPD	Tampa R, FL, USA	CW
	4X0	Haifa R, ISR	CW
13054.0	JDC	Choshi R, J	CW
	UJY	Kaliningrad R, RU, URS	0809+1413-2143 R tts wtsca
			CW
	XSQ	Guangzhou R, CHN	CW
13055.0	UJQ 7	Kiyev R, UK, URS	CW
13056.0	C9L 2	Maputo R, MOZ	CW
	C9L 6	Mocambique R, MOZ	CW
	EDG 4	Aranjuez R, E	CW
	S3D	Chittagong R, BGD	CW
13057.0	L8A	Boca R, ARG	CW
	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
13058.0	TEC	Puntarenas R, CTR	CW
13059.0	EBA	SN Madrid, E	75 Bds 1000+1700 ry, msg (navigational warnings)
			CW
13060.0	SUP	Port Said R, EGY	CW
13060.5	TUA 5	Abidjan R, CTI	CW
	70A	Aden R, YMS	CW
13062.0	CLA 32	Habana R, CUB	CW
13062.5	YSM	Rügen R, DDR	CW
13063.0	JDB	Nagasaki R, J	CW
13063.5	L8A	Boca R, ARG	CW
	W8C	Tuckerton R, NJ, USA	CW
13065.0	EAD 4	Aranjuez R, E	CW
	LPC 50	Ushuaia R, ARG	CW
	5ZF 3	Mombasa R, KEN	CW
	6YI	Kingston R, JMC	CW
13065.5	50W 13	Lagos R, NIG	CW
13067.0	CTH 3	PN Horta, AZR	CW
	OST 52	Oostende R, BEL	CW
13068.0	DYE 6	Cebu R, PHL	CW
13069.0	TFA	Reykjavik R, ISL	CW
	TJC 8	Douala R, CME	CW
13069.5	EQ.	many R stations, IRN	CW
	JOS	Nagasaki R, J	CW

13070.0	UDH	Riga R, LA, URS	CW
	3AC 13	Monte Carlo R, MCO	CW
13071.5		coast stations, series 1	Qsx 12491.5 kHz
	DCN	Norddeich R, D	scheduled
	KFS	San Francisco R, CA, USA	scheduled
	S9M	Sao Tome R, STP	scheduled
	9VG 80	Singapore R, SNG	scheduled
			CW
13072.0		coast stations, series 2	Qsx 12492.0 kHz
	GKE 5	Portishead R, G	SITOR-A: 0603-2030 tts
			CW
	URD	Leningrad R, RU, URS	scheduled
	MNU	Slidell R, LA, USA	scheduled
	ZLW	Hellington R, NZL	scheduled
13072.5		coast stations, series 3	Qsx 12492.5 kHz
	KFS	San Francisco R, CA, USA	scheduled
	DST 56	Oostende R, BEL	SITOR-A: 0928 tts
	SPA 61	Gdynia R, POL	CW
	XSV	Tianjin R, CHN	scheduled
13073.0		coast stations, series 4	Qsx 12493.0 kHz
	DCM	Norddeich R, D	scheduled
	VRT	Hamilton R, BER	scheduled
	ZSD 61	Durban R, AFS	SITOR-B: 1630 tfc list
			CW
13073.5		coast stations, series 5	Qsx 12493.5 kHz
	SPB 61	Szczecin R, POL	SITOR-A: 1020+1626+1525+1741 tts
			CW
	MLO	Mobile R, AL, USA	scheduled
			CW
	5RS	Toamasina R, MDG	scheduled
13074.0		coast stations, series 6	Qsx 12494.0 kHz
	SAB 606	Goeteborg R, S	SITOR-A: 24 h tts
	UNH 2	Klaipeda R, LI, URS	scheduled
	VIP 34	Perth R, WA, AUS	scheduled
13074.5		coast stations, series 7	Qsx 12494.5 kHz
	FFT 61	Saint Lys R, F	SITOR-A: 0603-2122 tts
			SITOR-B: 0600+0800+0900+1000+
			1500+1600+1800+2100 tfc list or
			WX
			CW
	UHK	Batumi R, GE, URS	scheduled
	XSG	Shanghai R, CHN	scheduled
13075.0		coast stations, series 8	Qsx 12495.0 kHz
	HPP	Panama R, PNR	SITOR-B: 1900+2300 schedule,
			tfc list
	LGJ 2	Rogaland R, NOR	SITOR-A: 0757+1725 tts
	UFB	Odessa R, UK, URS	2025 R tts wtsca
13075.5		coast stations, series 9	Qsx 12495.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	KLC	Galveston R, TX, USA	scheduled
	OFA	Helsinki R, FIN	scheduled
	UFB	Odessa R, UK, URS	SITOR-A: 0736+1356-2124 R tts
			wtsca
			SITOR-B: 0737 R tts wtsca
			CW
13076.0	9MG 16	Georgetown R, Pin. I., MLA	scheduled
		coast stations, series 10	Qsx 12496.0 kHz
	HZG	Danmark R, ARS	scheduled
	OXZ	Lyngby R, DNK	scheduled
			CW
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0925+1640+1912 R tts
			wtsca
			CW

13076.0	VIP 40	Perth R, WA, AUS	scheduled CW
13076.5		coast stations, series 11	QSQ 12496.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	UBN	Zhdanov R, UK, URS	SITOR-A: 0828+0833+1327+1426 R tts wtsca CW
	XSQ	Guangzhou R, CHN	scheduled
	3AC 23	Monte Carlo R, MCO	scheduled
13077.0		coast stations, series 12	QSQ 12497.0 kHz
	NRV	USCG Apra Harbour, GUM	scheduled
	PCH 55	Scheveningen R, HOL	SITOR-A: 0733-1525+2305 tts CW
13077.5		coast stations, series 13	QSQ 12497.5 kHz
	KPH	San Francisco R, CA, USA	scheduled CW
	VPS 63	Victoria Island R, HKG	scheduled CW
	HCC	Chatham R, MA, USA	scheduled
13078.0		coast stations, series 14	QSQ 12498.0 kHz
	FFT 62	Saint Lys R, F	scheduled
	KPH	San Francisco R, CA, USA	scheduled
	LZW	Varna R, BUL	scheduled
	UDK 2	Murmansk R, RU, URS	scheduled
	UFM 3	Nevelsk R, FE, URS	scheduled
	VIS 67	Sydney R, NSW, AUS	scheduled CW
	HCC	Chatham R, MA, USA	scheduled
13078.5		coast stations, series 15	QSQ 12498.5 kHz
	DCL	Norddeich R, D	SITOR-A: 0758-1740 tts
	WLO	Mobile R, AL, USA	scheduled CW
	9PA	Banana R, ZAI	scheduled
13079.0		coast stations, series 16	QSQ 12499.0 kHz
	COB 36	Flota Cubana F R, CUB	scheduled
	OST 57	Oostende R, BEL	SITOR-A: 0825+0832+1526 tts
	UJQ	Kiyev R, UK, URS	scheduled
13079.5		coast stations, series 17	QSQ 12499.5 kHz
	KLC	Galveston R, TX, USA	scheduled
	SVS 5	Athens R, GRC	SITOR-A: 0523+1732+2029+2126 tts CW
	UQK	Riga R, LA, URS	scheduled
13080.0		coast stations, series 18	QSQ 12500.0 kHz
	HEC 13	Berne R, SUI	SITOR-A: 0733-2009 tts; 1930 G nx CW
	HPP	Panama R, PNR	scheduled
	HPD	Tampa R, FL, USA	scheduled
	9MG 16	Georgetown R, Pin. I., MLA	scheduled
13080.5		coast stations, series 19	QSQ 12500.5 kHz
	UFH	Petropavlovsk R, FE, URS	scheduled
	WNU	Slideil R, LA, USA	scheduled
	SZF	Mombasa R, KEN	SITOR-A: 1552 tts CW
13081.0		coast stations, series 20	QSQ 12501.0 kHz
	LGJ 3	Rogaland R, NOR	SITOR-A: 0734-2231 tts SITOR-B: 0700+1700+1900 N nx CW
	NMC	USCG San Franc., CA, USA	scheduled
13081.5		coast stations, series 21	QSQ 12501.5 kHz
	FFT 63	Saint Lys R, F	scheduled

13081.5	KPH WCC	San Francisco R, CA, USA Chatham R, MA, USA	scheduled SITOR-A: 1319-0220 tts SITOR-B: 0030+1230+1630 tfc list, wx CW
13082.0	EDK 5	coast stations, series 22 Aranjuez R, E	Q SX 12502.0 kHz SITOR-A: 0829-1625 tts SITOR-B: 1100+1900 tfc list CW
	KLC	Galveston R, TX, USA	scheduled
	KPH	San Francisco R, CA, USA	scheduled
	9VG 94	Singapore R, SNG	scheduled CW
13082.5	SVT 5 UDH	coast stations, series 23 Athens R, GRC Riga R, LA, URS	Q SX 12502.5 kHz scheduled SITOR-A: 0446+1527+1734 R tts wtsca CW
13083.0	A7D NMF SAB 624 VPS 64	coast stations, series 24 Doha R, QAT USCG Boston, MA, USA Goeteborg R, S Victoria Island R, HKG	Q SX 12503.0 kHz scheduled scheduled SITOR-A: 0735-1626 tts scheduled
13083.5	UFL WLO	coast stations, series 25 Vladivostok R, SE, URS Mobile R, AL, USA	Q SX 12503.5 kHz scheduled SITOR-A: 0202+1406+2118-2219 tts CW
13084.0	CLA OXZ	coast stations, series 26 Habana R, CUB Lyngby R, DNK	Q SX 12504.0 kHz scheduled SITOR-A: 0645+1425+1528 tts CW
13084.5	NMN NMO UQB	coast stations, series 27 USCG Portsmouth, VA, USA USCG Honolulu, HMA Kholask R, FE, URS	Q SX 12504.5 kHz SITOR-B: 1738 schedule scheduled scheduled
13085.0	GKP 5	coast stations, series 28 Portishead R, G	Q SX 12505.0 kHz SITOR-A: 0411-2307 tts CW
	KFS	San Francisco R, CA, USA	scheduled
13085.5	9VG 81	coast stations, series 29 Singapore R, SNG	Q SX 12505.5 kHz CW
13086.0	DCF	coast stations, series 30 Norddeich R, D	Q SX 12506.0 kHz SITOR-A: 1340+1736+1825+2241 tts SITOR-B: 1033 tts 0125+0834 R tts wtsca
	UKA	Vladivostok R, SE, URS	Q SX 12506.5 kHz
13086.5	A9H	coast stations, series 31 Hawala R, BHR	scheduled CW
13087.0	CUL UFB	coast stations, series 32 Lisbon R, POR Odessa R, UK, URS	Q SX 12507.0 kHz scheduled SITOR-A: 0647 R tts wtsca
13087.5	HIA HKB OFA	coast stations, series 33 Santo Domingo Pilot R, DOM Barranquilla R, CLM Helsinki R, FIN	Q SX 12507.5 kHz CW CW SITOR-A: 0802-1640 tts
13088.0	A7D UKX 3AC 33	coast stations, series 34 Doha R, QAT Nakhodka R, SE, URS Monte Carlo R, MCO	Q SX 12508.0 kHz scheduled scheduled scheduled
13088.5	PCH 56	coast stations, series 35 Scheveningen R, HOL	Q SX 12508.5 kHz SITOR-A: 0725+1313+1737 tts

13088.5	UXN	Arkhangelsk R, RU, URS	CW
13089.0	CLA	coast stations, series 36	QBX 12509.0 kHz
	UAT	Habana R, CUB	scheduled
		Moscow R, RU, URS	SITOR-A: 0448-1924 R tts wtsca
			CW
	UBE 2	Petropavlovsk R, FE, URS	scheduled
	9VG 95	Singapore R, SNG	scheduled
			CW
13089.5		coast stations, series 37	QBX 12509.5 kHz
	IAR	Rome R, I	scheduled
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0653-1923 R tts wtsca
			CW
	YUH	Bar R, YUG	scheduled
13090.0		coast stations, series 38	QBX 12510.0 kHz
	KPH	San Francisco R, CA, USA	scheduled
	SPA 62	Gdynia R, POL	SITOR-A: 1425+1528 tts
			CW
	UQB	Kholmok R, FE, URS	2258 R tts wtsca
	UXN	Arkhangelsk R, RU, URS	1225 R ry + tts wtsca
	WCC	Chatham R, MA, USA	SITOR-A: 2330 tts
			CW
13090.5		coast stations, series 39	QBX 12510.5 kHz
	UPB	Provideniya R, FE, URS	scheduled
	VCS	CCG Halifax, NS, CAN	scheduled
13091.0		coast stations, series 40	QBX 12511.0 kHz
	UCO	Yalta R, UK, URS	scheduled
	URD	Leningrad R, RU, URS	SITOR-A: 1402 R tts wtsca
13091.5		coast stations, series 41	QBX 12511.5 kHz
	IAR	Rome R, I	scheduled
			CW
	J2A	Jibuti R, DJI	scheduled
	UFB	Odessa R, UK, URS	SITOR-A: 1013 R tts wtsca
	VAI	CCG Vancouver, BC, CAN	scheduled
13092.0		coast stations, series 42	QBX 12512.0 kHz
	UMV	Murmansk R, RU, URS	1048+1530+1537 R tts wtsca
13092.5		coast stations, series 43	QBX 12512.5 kHz
	HEC 23	Berne R, SUI	scheduled
	UAH	Tallinn R, ES, URS	SITOR-A: 0727-1225 R tts wtsca
			CW
13093.0		coast stations, series 44	QBX 12513.0 kHz
	ZBC 63	Capetown R, AFS	SITOR-B: 1730 wx, 1745 tfc list
			CW
13093.5		coast stations, series 45	QBX 12513.5 kHz
	OXZ	Lyngby R, DNK	SITOR-A: 0725-1935 tts
			SITOR-B: 0730+0830+1215+1730
			tfc list
			CW
	YUR	Rijeka R, YUG	scheduled
13094.0		coast stations, series 46	QBX 12514.0 kHz
	JBO	Tokyo R, J	SITOR-B: 1000 tfc list
13094.5		coast stations, series 47	QBX 12514.5 kHz
	IAR	Rome R, I	scheduled
	KFS	San Francisco R, CA, USA	scheduled
	UGH 2	Juzno R, FE, URS	scheduled
13095.0		coast stations, series 48	QBX 12515.0 kHz
	KLC	Galveston R, TX, USA	scheduled
			CW
	URB 2	Klaipeda R, LI, URS	scheduled
13095.5		coast stations, series 49	QBX 12515.5 kHz
	HEC 33	Berne R, SUI	scheduled
	LZW	Varna R, BUL	SITOR-A: 0654+1420 tts
			CW

13096.0		coast stations, series 50	Q8X 12516.0 kHz	
	SBA 93	Nicosia R, CYP	scheduled	
13096.5		coast stations, series 51	Q8X 12516.5 kHz	
	IAR	Rome R, I	scheduled	
	YUS	Split R, YUG	scheduled	
13097.0		coast stations, series 52	Q8X 12517.0 kHz	
	LBJ 4	Rogaland R, NOR	SITOR-A: 0738-2034 tts	
			SITOR-B: 0700 N nxj, 1700 tfc	
			list, N nxj 1900 N nx	
			CW	
	HNU	Slidell R, LA, USA	scheduled	
13097.5		coast stations, series 53	Q8X 12517.5 kHz	
	FFT 64	Saint Lys R, F	SITOR-A: 0838-1922 tts	
			CW	
13098.0		coast stations, series 54	Q8X 12518.0 kHz	
	IAR	Rome R, I	scheduled	
	WLO	Mobile R, AL, USA	SITOR-A: 2310 tts	
			CW	
13098.5		coast stations, series 55	Q8X 12518.5 kHz	
13099.0		coast stations, series 56	Q8X 12519.0 kHz	
	GKQ 5	Portishead R, G	SITOR-A: 0728-2311 tts	
			CW	
13099.5		coast stations, series 57	Q8X 12519.5 kHz	
	UXN	Arkhangelsk R, RU, URS	SITOR-A: 0528+1010+1050 R tts	
			wtsca	
			CW	
	HNU	Slidell R, LA, USA	scheduled	
			CW	
	YUR	Rijeka R, YUG	scheduled	
13100.0	worldwide	coast stations DSC freq.		
	TIM	Limon R, CTR	CW	
13100.5	worldwide	coast stations DSC freq.		
13100.8		coast stations, ch 1201	SSB	Q8X 12330.0 kHz
	A7D	Doha R, QAT		
	DZJ	Bulacan R, PHL		
	DZZ	Manila R, PHL		
	EHY	Pozuelo del Rey R, E		
	GKT 51	Portishead R, G		
	KMI	Dixon R, CA, USA		
	PKB	Belawan R, INS		
	PKF	Makassar R, INS		
	UAT	Moscow R, RU, URS		
	UFL	Vladivostok R, SE, URS		
	VFF	CCG Frobisher B., NWT, CAN		
	WAH	Saint Thomas R, VIR		
	XSU	Yantai R, CHN		
	SBA 52	Nicosia R, CYP		
13101.0		Anzali R, IRN	CW	
	EQL	Nowshahr R, IRN	CW	
	EQO	Golmankhaneh R, IRN	CW	
	EQP	Beirut R, LBN	CW	
	QDR 4	Libreville R, GAB	CW	
	TRA	coast stations, ch 1202	SSB	Q8X 12333.1 kHz
13103.9		coast stations, ch 1202	SSB	Q8X 12333.1 kHz
	CBM	DBTMM Magallanes R, CHL		
	CBM 9	ETAL Punta Arenas R, CHL		
	CBO	DBTMM Punta Corona R, CHL		
	CBV	DBTMM Valparaiso R, CHL		
	GKT 52	Portishead R, G		
	HAR	Budapest R, HNG		
	HEB 13	Berne R, SUI		
	HZG	Dammam R, ARS		
	KMI	Dixon R, CA, USA		

13103.9	SVN 5	Athens R, GRC		
	S3D	Chittagong R, BGD		
	WAH	Saint Thomas R, VIR		
	WFN	Jeffersonville R, IN, USA		
	W8K	Saint Louis R, MO, USA		
	Y5M	Rügen R, DDR		
	3DP	Suva R, FJI		
	98A	Takoradi R, GHA		
13107.0		coast stations, ch 1203	SSB	Qsx 12336.2 kHz
	CUL	Lisbon R, POR		
	DZD 4	Manila R, PHL		
	D3E	Luanda R, AGL		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	J5M	Bissau R, GNB		
	KMI	Dixon R, CA, USA		
	LFL 30	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PKT	Dili R, INS		
	SAG	Goeteborg R, S		
	VIS	Sydney R, NSW, AUS		
	VIT	Townsville R, QLD, AUS		
	W00	Ocean Gate R, NJ, USA		
	X5G	Shanghai R, CHN		
	SAT	Tripoli R, LBY		
13110.1		coast stations, ch 1204	SSB	Qsx 12339.3 kHz
	FUB	FN Paris, F		
	HPP 20	Panama R, PNR		
	LFL 31	Rogaland R, NOR		
	SVN 5	Athens R, GRC		
	S9M	Sao Tome R, STP		
	URD	Leningrad R, RU, URS		
	Y5M	Rügen R, DDR		
	4X0	Haifa R, ISR		
13113.2		coast stations, ch 1205	SSB	Qsx 12342.4 kHz
	DAP	Norddeich R, D		
	FJP 24	Noumea R, NCL		
	ICB	Genova R, I		
	LFL 32	Rogaland R, NOR		
	N..	many USCG stations		
	S3D	Chittagong R, BGD		
	TUA	Abidjan R, CTI		
	UDH	Riga R, LA, URS		
	UF8	Odessa R, UK, URS		
	UHK	Batumi R, GE, URS		
	UNM 2	Klaipeda R, LI, URS		
13116.3		coast stations, ch 1206	SSB	Qsx 12345.5 kHz
	GKT 56	Portishead R, G		
	IAR	Rome R, I		
	QBB 4	Ilo R, PRU		
	OBT 2	Talara R, PRU		
	OBZ 3	Chimbote R, PRU		
	OHG 2	Helsinki R, FIN		
	TAM 5	Mersin R, TUR		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	X5V	Tianjin R, CHN		
	Y5M	Rügen R, DDR		
	ZAD	Durres R, ALB		
	5RS	Toamasina R, MDG		
13119.4		coast stations, ch 1207	SSB	Qsx 12348.6 kHz
	D4A	Mindelo R, S. Vicente, CPV		

13119.4	JBO	Tokyo R, J		
	OSU 51	Oostende R, BEL		
	PCG 52	Scheveningen R, HOL		
	PJC	Willemstad R, Curacao, ATN		
	PZN	Paramaribo R, SUR		
	SVN 5	Athens R, GRC		
	UMV	Murmansk R, RU, URS		
	VAI	CCG Vancouver, BC, CAN		
	XSQ	Guangzhou R, CHN		
	YUW	Bar R, YUG		
	4XO	Haifa R, ISR		
	7TA 24	El Djaza'ir R, ALG		
13122.5		coast stations, ch 1208	SSB	QSX 12351.7 kHz
	DAK	Norddeich R, D		
	HAR	Budapest R, HNG		
	P.. ...	many R stations, B		
	S3D	Chittagong R, BGD		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	ZXA 4	Tedut R, B		
	ZXF 3	Bavit R, B		
	ZZQ 8	Denor R, B		
	5BA 54	Nicosia R, CYP		
13125.6		coast stations, ch 1209	SSB	QSX 12354.8 kHz
	A9M	Hamala R, BHR		
	DBF 4	Mollendo R, PRU		
	DHG 2	Helsinki R, FIN		
	PKM	Bitung R, INS		
	PKP	Dumai R, INS		
	PPL	Belem R, B		
	SPC 63	Gdynia R, POL		
	UFN	Novorossiysk R, RU, URS		
	UXN	Arkhangelsk R, RU, URS		
	WOM	Pennsuco R, FL, USA		
	XDA	Mexico City R, MEX		
	XF./.	many PEMEX/R stations, MEX		
	YVG	La Guayra R, VEN		
	ZLW	Wellington R, NZL		
	ZSC 27	Capetown R, AFS		
	ZSV 33	Walvis Bay R, NMB		
13128.7		coast stations, ch 1210	SSB	QSX 12357.9 kHz
	CWF	Punta Carretas R, URG		
	EHY	Pozuelo del Rey R, E		
	HEB 43	Berne R, SUI		
	J2A	Jibuti R, DJI		
	LFL 33	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PKE	Amboina R, INS		
	PKX	Jakarta R, INS		
	SAG	Goeteborg R, S		
	UBE 2	Petropavl.-Km. R, FE, URS		
	VWB	Bombay R, IND		
	WOO	Ocean Gate R, NJ, USA		
13131.8		coast stations, ch 1211	SSB	QSX 12361.0 kHz
	CBV	DGTMM Valparaiso R, CHL		
	CBY	DGTMM Hanga Roa R, PAQ		
	COB 19	Yright 87 Klingenfuss, D		
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	ICB	Genova R, I		
	LFL 34	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		

13131.8	PPO	Olinda R, B		
	SAG	Goeteborg R, S		
	WOO	Ocean Gate R, NJ, USA		
	XSQ	Guangzhou R, CHN		
	9MG 22	Georgetown R, Pin. I., MLA		
13134.9		coast stations, ch 1212	SSB	Qsx 12364.1 kHz
	DAH	Norddeich R, D		
	BYU	RN Gibraltar, GIB		
	JBO	Tokyo R, J		
	OBQ 5	Iquitos R, PRU		
	OBR 3	Salaverry R, PRU		
	PKD	Surabaya R, INS		
	PNK	Jayapura R, INS		
	SVN 5	Athens R, GRC		
	WLO	Mobile R, AL, USA		
	3BB	Port Louis Harbour R, MAU		
	5OW	Lagos R, NIG		
	6VA	Dakar R, SEN		
13138.0		Abidjan F R, CTI		
		coast stations, ch 1213	SSB	Qsx 12367.2 kHz
	HLS	Soul R, KOR		
	IAR	Rome R, I		
	LFL 35	Rogaland R, NOR		
	OHG 2	Helsinki R, FIN		
	OSU 53	Oostende R, BEL		
	PCB 51	Scheveningen R, HOL		
	S9M	Sao Tome R, STP		
	VCS	CCB Halifax, NS, CAN		
	XSG	hanghai R, CHN		
	4XO	Haifa R, ISR		
	5WA	Apia R, SMO		
	8PO	Bridgetown R, BRB		
13141.1		coast stations, ch 1214	SSB	Qsx 12370.3 kHz
	ASK	Karachi R, PAK		
	CKN	CF Vancouver, BC, CAN		
	EQG	Ghosbeh R, IRN		
	EQP	Golmankhaneh R, IRN		
	EQZ	IORC Abadan R, IRN		
	HAR	Budapest R, HNG		
	LFL 36	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PPR	Rio de Janeiro R, B		
	SAG	Goeteborg R, S		
	SVN 5	Athens R, GRC		
	UQB	Kholmak R, FE, URS		
13144.2		coast stations, ch 1215	SSB	Qsx 12373.4 kHz
	OBC 3	Callao R, PRU		
	OSU 52	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S7Q	Victoria R, Mahe, SEY		
	TFA	Reykjavik R, ISL		
	WOM	Pennsuco R, FL, USA		
	4XO	Haifa R, ISR		
	7TA 25	El Djaza'ir R, ALG		
13147.3		coast stations, ch 1216	SSB	Qsx 12376.5 kHz
	ODR 8	Beirut R, LBN		
	OHG 2	Helsinki R, FIN		
	SPC 61	Gdynia R, POL		
	SUH	Alexandria R, EGY		
	TAM 5	Mersin R, TUR		
	XSV	Tianjin R, CHN		

13147.3	9HD	Valetta R, MLT		
	9VG 66	Singapore R, SNG		
13150.4		coast stations, ch 1217	SSB	Q8X 12379.6 kHz
	CLA 68	Habana R, CUB		
	LFL 37	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	VMM	Madras R, IND		
	ZHH	Jamestown R, SHN		
	7TA 26	El Djaza'ir R, ALG		
13153.5		coast stations, ch 1218	SSB	Q8X 12382.7 kHz
	CBM	DGTMHM Magallanes R, CHL		
	CBO	DGTMHM Punta Corona R, CHL		
	CBV	DGTMHM Valparaíso R, CHL		
	DAI	Norddeich R, D		
	D4D	Praia R, Santiago, CPV		
	IAR	Rome R, I		
	JBO	Tokyo R, J		
	LFL 38	Rogaland R, NOR		
	OSU 54	Oostende R, BEL		
	P.. ...	many R stations, B		
	S3E	Khulna R, BGD		
	TAN	Istanbul R, TUR		
	Z.. .	many R stations, B		
13156.6		coast stations, ch 1219	SSB	Q8X 12385.8 kHz
	LFL 39	Rogaland R, NOR		
	LZW	Varna R, BUL		
	OSU 57	Oostende R, BEL		
	OXZ	Lyngby R, DNK		
	PCB 53	Scheveningen R, HOL		
	SAG	Goeteborg R, S		
	UFM 3	Nevelsk R, FE, URS		
	9VG 67	Singapore R, SNG		
13159.7		coast stations, ch 1220	SSB	Q8X 12388.9 kHz
	DZI	Bacoar R, PHL		
	DZO	Bulacan R, PHL		
	EQQ	Khark R, IRN		
	JYO	Aqaba R, JOR		
	LPL 4	General Pacheco R, ARG		
	SPD 61	Szczecin R, POL		
	SVN 5	Athens R, GRC		
	S3E	Khulna R, BGD		
	TFA	Reykjavik R, ISL		
	VRT	Hamilton R, BER		
13162.8		coast stations, ch 1221	SSB	Q8X 12392.0 kHz
		(worldwide calling frequency)		
13165.9		coast stations, ch 1222	SSB	Q8X 12395.1 kHz
	FFL 64	Saint Lys R, F		
	FUB	FN Paris, F		
	LFL 40	Rogaland R, NOR		
	LPL	General Pacheco R, ARG		
	TAN 5	Zonguldak R, TUR		
	XFA	Acapulco R, MEX		
	XFE	Ensenada R, MEX		
	XFK	La Paz R, MEX		
	XF. .	many PEMEX R stations, MEX		
	ZKR	Avarua R, Rarotga. I., CKH		
13169.0		coast stations, ch 1223	SSB	Q8X 12398.2 kHz
	CNP	Casablanca R, MRC		
	HZB	Dammam R, ARS		
	LFL 41	Rogaland R, NOR		
	OMC	Bratislava R, TCH		

13169.0	OMK	Komarno R, TCH		
	OML	Decin R, TCH		
	OXZ	Lyngby R, DNK		
	PPM	Manaus R, B		
	SAB	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	WOM	Pennsuco R, FL, USA		
13172.1		coast stations, ch 1224	SSB	Qsx 12401.3 kHz
	CBM	DGTHMM Magallanes R, CHL		
	CBV	DGTHMM Valparaiso R, CHL		
	DAJ	Norddeich R, D		
	GBV 54	Portishead R, G		
	OHG 2	Helsinki R, FNL		
	YUR	Rijeka R, YUG		
	ZSD 56	Durban R, AFS		
	3AC 12	Monte Carlo R, MCO		
	6YI	Kingston R, JOR		
	9GX	Tema R, GHA		
	9KK 9	Safat R, KWT		
13175.2		coast stations, ch 1225	SSB	Qsx 12404.4 kHz
	EHY	Pozuelo del Rey R, E		
	LFL 42	Rogaland R, NOR		
	P2M	Port Moresby R, PNG		
	P2R	Rabaul R, PNG		
	UDK 2	Murmansk R, RU, URS		
	WLO	Mobile R, AL, USA		
	XDA	Mexico City R, MEX		
	XF /.	many PEMEX/R stns., MEX		
	XBQ	Guangzhou R, CHN		
	4PB	Colombo R, SLK		
	5RS	Toamasina R, MDG		
13178.3		coast stations, ch 1226	SSB	Qsx 12407.5 kHz
	CBV	DGTHMM Valparaiso R, CHL		
	FFL 61	Saint Lys R, F		
	LFL 43	Rogaland R, NOR		
	OMP	Prague R, TCH		
	OXZ	Lyngby R, DNK		
	SAB	Goeteborg R, S		
	S3E	Khulna R, BGD		
	TAM 7	Canakkale R, TUR		
	VIM	Melbourne R, VIC, AUS		
	VIP	Perth R, WA, AUS		
	WLO	Mobile R, AL, USA		
	9MG 22	Georgetown R, Pin. I., MLA		
13181.4		coast stations, ch 1227	SSB	Qsx 12410.6 kHz
	EHY	Pozuelo del Rey R, E		
	HEB 23	Berne R, SUI		
	OHG 2	Helsinki R, FNL		
	SPO 62	Szczecin R, POL		
	TJC	Douala R, CME		
	UFH	Petropavl.-Km. R, FE, URS		
	UGH 2	Juzno R, FE, URS		
	UKX	Nakhodka R, SE, URS		
	VIA	Adelaide R, SA, AUS		
	VID	Darwin R, NT, AUS		
	VPS	Victoria Island R, HKG		
	YUS	Split R, YUG		
	9KK 92	Safat R, KWT		
	9PA	Banana R, ZAI		
13184.5		coast stations, ch 1228	SSB	Qsx 12413.7 kHz
	ASK	Karachi R, PAK		
	CBV	DGTHMM Valparaiso R, CHL		

13184.5	CLA 71	Habana R, CUB		
	GKV 58	Portishead R, G		
	HAR	Budapest R, HNG		
	LFL 44	Rogaland R, NOR		
	PPJ	Juncao R, B		
	PPL	Belem R, B		
	URB 2	Klaipeda R, LI, URS		
	WOO	Ocean Gate R, NJ, USA		
13187.6		coast stations, ch 1229	SSB	QSX 12416.8 kHz
	A7D	Doha R, QAT		
	CFH	CF Halifax, NS, CAN		
	FFL 62	Saint Lys R, F		
	HL8	Soul R, KOR		
	KMI	Dixon R, CA, USA		
	SPC 62	Gdynia R, POL		
	UQK	Riga R, LA, URS		
	VIB	Brisbane R, QLD, AUS		
	VID	Darwin R, NT, AUS		
	VIP	Perth R, WA, AUS		
	YUR	Rijeka R, YUG		
13190.7		coast stations, ch 1230	SSB	QSX 12419.9 kHz
	GKV 50	Portishead R, G		
	HEB 33	Berne R, SUI		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	LPC 42	Ushuaia R, ARG		
	OH6 2	Helsinki R, FIN		
	SD	Chittagong R, BGD		
	WOO	Ocean Gate R, NJ, USA		
	SBA 56	Nicosia R, CYP		
13193.8		coast stations, ch 1231	SSB	QSX 12423.0 kHz
	EQN	Khomeini R, IRN		
	FFL 63	Saint Lys R, F		
	LFL 45	Rogaland R, NOR		
	OB6 3	Pisco R, PRU		
	OBY 2	Paiza R, PRU		
	SPC 64	Gdynia R, POL		
	VIS	Sydney R, NSW, AUS		
	VIT	Townsville R, QLD, AUS		
	VPS	Victoria Island R, HKG		
	ZPC	Asuncion R, PRG		
	SAB	Benghazi R, LBY		
	SDW	Lagos R, NIG		
13196.9		coast stations, ch 1232	SSB	QSX 12426.1 kHz
	ASK	Karachi R, PAK		
	GKW 52	Portishead R, G		
	HPP 20	Panama R, PNR		
	J..	many R stations, J		
	KUQ	Pago Pago R, SMA		
	SVN 5	Athens R, GRC		
	YSM	Rügen R, DDR		
	7TA 27	El Djaza'ir R, ALG		
13200.0 - 13260.0		AERONAUTICAL MOBILE (OR)		
13201.0	AIC	USAF Clark AFB, Luzon, PHL	SSB	
13205.0	HEE 60	Berne Air, SUI	SSB	
13215.0		many USAF stations	SSB	
13215.5	FUX	FN Le Port, REU	CW	
13220.0		AEROFLOT Moscow, RU, URS	SSB	
13226.7		Egyptian E Nairobi, KEN	SITOR-A; 1457 ATU-A msgs to Cairo	

13231.0	DHM 95	RCAF Lahr, D	SSB
13235.5	HWN	FN Paris, F	CW
13244.0	AFE 8	USAF MacD. AFB, T., FL, USA	SSB
	CUM	PAF/USAF Lajes AFB, AZR	SSB

13260.0 - 13360.0

AERONAUTICAL MOBILE (R)

13261.0		AMS = VAFI	SSB
13264.0		AMS = 14, VEUR	SSB
13267.0		AMS = 3 13H	SSB
13270.0		AMS = 6G, VNAT	SSB
13273.0		AMS = AFI	SSB
13276.0		AMS = 6G, VNAT	SSB
13279.0		AMS = VNCA VSAM	SSB
13282.0		AMS = VPAC	SSB
13285.0		AMS = 10, VSEA	SSB
13288.0		AMS = AFI EUR MID	SSB
13291.0		AMS = NAT, 6	SSB
13294.0		AMS = AFI	SSB
13297.0		AMS = CAR EA SAM	SSB
13300.0		AMS = CEP CWP NP SP, 4	SSB
13303.0		AMS = EA NCA	SSB
13306.0		AMS = INO NAT	SSB
13309.0		AMS = EA SEA, 13C 13K	SSB
13310.0	'RFFA'	MOD Paris, F	ARQ-E 72 Bd: 1435 msg to 'RFFXI' (XXI)
13312.0		AMS = MID, 11B	SSB
13315.0		AMS = NCA SAT	SSB
13318.0		AMS = SEA, 13	SSB
13321.0		AMS = 2 3	SSB
13324.0		AMS = W I/III	SSB
13327.0		AMS = W I/IV	SSB
13330.0		AMS = W II/V	SSB
13332.0	'KARIM'	MOI El Djaza'ir, ALG	0936+1532 msg
13333.0		AMS = W I/III	SSB
13336.0		AMS = W I/IV	SSB
13339.0		AMS = W II/V	SSB
13342.0		AMS = W I/III	SSB
13345.0		AMS = W I/IV	SSB
13348.0		AMS = W II/V	SSB
13351.0		AMS = W I/III	SSB
13354.0		AMS = 5 7	SSB
13357.0		AMS = SAT, 2	SSB

13360.0 - 13410.0

FIXED + RADIO ASTRONOMY

13360.0	RYM	IAG Moscow, RU, URS	SSB
13361.0	BSB 35	Lanzhou Meteo, CHN	0025-0954 ry or wx
13363.5		MFA Rome, I	SITOR-A: 0805 msg (51gs) + tfc
13364.0	DGN 36	HAB Hamburg, D	CW
13366.5	SYD	Nairobi Air, KEN	24 h ry or msgs (KVA)
13368.0	EDC 7	Las Palmas Meteo, CNR	FAX // 3650.0 kHz \$
13370.5	KLI	Ngenfuss Copyright, D	SSB
13372.5	NGR	USN Kato Soli, GRC	CW
13375.0	Y3D	DP Berlin, DDR	SSB
13400.0	CUA 68	CPRM Lisbon, POR	ARQ 96 Bd: B: 0833 ry, 1554
			svc msg to HVN
	LZG 3	BTA Sofia, BUL	1200 E nx

13410.0 - 13600.0

FIXED + Mobile except aeronautical mobile (R)

13410.0	RIF 38	TASS Moscow, RU, URS	1215 R nx wca
	6WW	FN Dakar, SEN	CW
13415.0	PCW 1	MFA Den Haag, HOL	CW
13420.0	CUA 69	CPRM Lisbon, POR	CW
13425.5		MFA Rome, I	SITOR-A: 1352 msg (5lgs)
13430.0	RRC 61	APN Moscow, RU, URS	100 Bds 0700+0800+0900 S nx
	VTK	IN Tuticorin, IND	CW
13436.0	Y7A 53	MFA Berlin, DDR	0537-2132 ry or tfc
13440.0	YZJ 5	TANJUG Belgrade, YUG	1000+1100+1200+1300+1400+1500+
			1600 E nx
13442.0	'RFQP'	FF Jibuti, DJI	ARQ 96 Bds B: 1356 msg + en-
			crypted tfc after "KKKK..." to
			'RFVI' (FKD)
13447.0	4XM 4	Tel Aviv Meteo, ISR	0020+0720+0920+1220+1520+1820+
			2120 ry, wx
13462.0	'VNA 16'	VNA Hanoi, VTN	1400+1500 E nx, 1900 F nx
13470.0	RKU 71	Moscow Meteo, RU, URS	FAX // 53.6 kHz \$
13473.0	BYU	RN Gibraltar, GIB	ARQ 96 Bds A: 2018 final tfc
			COMB
13480.0	'RPTI'	PN Ponta Delgada, AZR	1516 clg 'RPFN'
13482.0	DFN 48	DPA Hamburg, D	1000+1300+1400+1500+1600 E nx
13485.0		PETRA Amman, JOR	0800-0900 E nx, 1000+1400+1500
			A nx
13487.5	ISX 35	ANSA Rome, I	1200 E nx
13490.0	RCB 77	TASS Moscow, RU, URS	1400+1500 E nx
	RFNV	Moscow Air, RU, URS	(hx 6745.0 kHz)
13496.5	SDN 249B	PAP Warsaw, POL	SITOR-B: 1800 Polish nx
13502.0	CTN	PN Apulia, POR	CW
13510.0	CFH	CF Halifax, NS, CAN	75 Bds 0847-2300 ry or wx
			FAX // 122.5 kHz \$
13515.0	LRN 22	TELAM Buenos Aires, ARG	2100+2200 S nx
	MKD	RAF Akrotiri, CYP	VFT: 1012-2203 ry1
			COMB
13520.0	SYZ	INTERPOL Athens, GRC	SITOR-A: 1220-1743 msg +
			tfc
	3VA	INTERPOL Tunis, TUN	SITOR-A: 1228 s. on with tfc
13524.0	YIO 72	INA Baghdad, IRQ	1100+1200+1300+1400+1500+1600+
			1700 E nx
13525.0	CCS	CN Santiago, CHL	FAX // 4766.0 kHz \$
13526.0	DHJ 51	Grangel Meteo, D	100 Bds 1410 wx
13530.0	RVW 53	Moscow Meteo, RU, URS	24 h ry or wx
13538.0	Y7A 54	MFA Berlin, DDR	0757-2130 ry or tfc
13540.0	LRO 81	TELAM Buenos Aires, ARG	0000+1500+1600+1900+2000+2100+
			2200+2300 S nx
13550.0	ZKLF	Auckland Meteo, NZL	FAX // 5807.0 kHz \$
			CW
13552.3	TAD	MFA Ankara, TUR	FEC-A 144 Bds 0832 msg
			CW
13558.1	'RFGW'	MFA Paris, F	75 Bds 1446 tfc
13560.0	BMB	Taipei Meteo, TAI	CW
13563.0	3MA 22	CNA Taipei, TAI	0230-0330+0930-1030+1330-1500
			E nx
13563.6	SDN 263	PAP Warsaw, POL	0600 E nx
13565.0	MKD	RAF Akrotiri, CYP	VFT: 24 h ry1
			COMB
13576.4	HBD 20	MFA Berne, SUI	SITOR-A: 1133+1452+1602 tfc
	HBD 44	Swiss E Stockholm, S	SITOR-A: 0910+1205 msg
13580.0	HMF 36	KCNA Pyongyang, KRE	0030-0100 F nx, 0400-0730 E nx,
			2330-2400 F nx
	VTK 70	IN Tuticorin, IND	CW

13585.2	HBD 20 HBD 71	MFA Berne, SUI Swiss E Tel Aviv, ISR	SITOR-A: 0735 tfc to HBD 71 SITOR-A: 0734 msg (5lgs) + tfc to HBD 20 (hx 6795.0 kHz) ARQ 96 Bd: A: 1006+1420 msg to 'RFTJ' B: 1004+1416 msg to 'RFTJ' (ISB) FAX // 3622.5 kHz \$ FAX // 4777.5 kHz \$ 0600+1000+1300+1500 E nx, 1600 S nx, 1630+1745 E nx
13590.0	LZM 7	Sofia Meteo, BUL	
13592.0	'RFFA'	MOD Paris, F	
13597.0	JMH 4	Tokyo Meteo, J	
13597.4	IMB 56	Rome Meteo, I	
13597.5	OLI 2	CETeka Prague, TCH	
13600.0 - 13800.0 BROADCASTING			
13602.4	SON 260B	PAP Warsaw, POL	SITOR-B: 1200+1400+1800 Polish nx SITOR-A: 0647+1510+1528 tts SSB 1100+1300+1400 A nx, 1500 F nx, 1600 E nx CW FEC-A 96 Bd: 1430 G nx FAX // 5037.5 kHz \$
	SPW	Warsaw R, POL	
13610.0	RIS 78 3VF 40	R Moscow feeder, RU, URS TAP Tunis, TUN	
13616.0	SON 261	PAP Warsaw, POL	
13620.5	DFN 62L2	PIAB Bonn, D	
13627.5	KVM 70	Honolulu Meteo, HWA	
13635.5	'S'	Beacon Arkhangelsk, RU, URS	
13636.0	'C'	Beacon Moscow, RU, URS	
13636.2	'P'	Beacon Kaliningrad, RU, URS	
13637.0	'D'	Beacon Odessa, UK, URS	
13638.0	'O'	Beacon Moscow, RU, URS	
13639.0	'D'	Beacon Kholmak, FE, URS	
13647.5	OLI 5	CETeka Prague, TCH	0000+0800+1200 F nx, 1300 E nx, 1500+1600 F nx ARQ 96 Bd: A: 0831+1705+1810+1931 msg to 'RFQP' (FDXA, PQA) B: 1811 encrypted tfc after "KKKK..." to 'RFQP' (PQB) 1200+1500 F nx, 2000 E nx ARQ 96 Bd: A: 0726-1605 msg or encrypted tfc after "KKKK..." to 'RFFA' (FKOA, QPB) B: 0726-1455 msg or encrypted tfc after "KKKK..." to 'RFFA' (FKOB, QPA, QPB) (hx 6829.0 kHz) 0742-2010 ry or wx VFT: 0913+1851 ryi COMB FAX 90/576: 0625 chart Europe - Soviet Union ISB 0700+0800+0900+1100+1300+1400+1600+1700 F nx 0700+0800+0900+1000+1300+1400+1600+1700 E nx 0000+0800+1000+1100+1200+1500+1700 E nx SSB 24 h ry or msg (KSA) 0917+1307 msg (BDA) 24 h ry or msg (JVA)
13649.6	'RFFA'	MOD Paris, F	
13653.0	SUA 50	MENA Cairo, EGY	
13654.6	'RFQP'	FF Jibuti, DJI	
13658.0	ZAO 2	PTT Tirana, ALB	
13665.0	6VU 73	Dakar Meteo, SEN	
13695.0	GXQ	BA London, G	
13707.0	RXA 77	Alma Ata Meteo, KA, URS	
13710.0	RGD 22	R Moscow feeder, RU, URS	
13728.3	FPN 72H1	AFP Paris, F	
13729.7	FPN 72H3	AFP Paris, F	
13735.0	Y2V ..	ADN Berlin, DDR	
13737.0	SYD	R Moscow feeder, RU, URS Nairobi Air, KEN	
13743.8	HSD	Bangkok Air, THA	
13752.0	HZJ	Jeddah Air, ARS	

13753.5	LRB 75	REUTER Bs. Aires, ARG	FAX 60/288 LSB ISD: 1410+2000+ 2110 pix with S text
13761.5		MFA Rome, I	SITOR-A: 0858 tfc
13766.0	3MA 27	CNA Taipei, TAI	FAX // 5117.0 kHz CW
13770.0		VoA Tanger, MRC	75 Bd: 0800+0900 E nx, 1000+ 1100 F nx, 1200+2200+2300 E nx
13773.0	ZRO 3	Pretoria Meteo, AFS	FAX // 4014.0 kHz \$
13777.0	ZRO 3	Pretoria Meteo, AFS	75 Bd: 1340-0508 ry or wx
13779.0	BCA 95	PTT Shanghai, CHN	1128 to CLN 405, 1137+1142 ry (ZCA)
13780.0	HMF 35	KCNA Pyongyang, KRE	0400-0530 E nx, 0600-0830+ 1230-1430 R nx wca
13793.0	SON 279	PAP Warsaw, POL	1100 E nx
13795.0	ZVK	TASA Rio de Janeiro, B	0439+0446+2010-0008 ry (RMA)
<u>13800.0 - 14000.0</u>			<u>FIXED + Mobile except aeronautical mobile (R)</u>
13803.0	RCR 78	Khabarovsk Met., SE, URS	0706-0804+1318-1532 wx
13813.5		MFA Rome, I	SITOR-A: 0840 tfc
13815.0	KRH 50	USE London, G	CW
13820.0	RVW 55	R Moscow feeder, RU, URS	SSB
13822.5	70B 64	YEMENEL Aden, YMS	SSB
13826.0	70B 64	YEMENEL Aden, YMS	ARQ 96 Bd: A: 1335 to Moscow (AMS)
			B: 0948 to Moscow
13835.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0642 msg (5lgs) to various embassies
13840.0	KRH 51	USE London, G	75 Bd: 0446+1113+1405+1933 foxes
13844.0	KRH 51	USE London, G	// 13840.0 kHz
13844.6	'RFVI'	FF Le Port, REU	ARQ 96 Bd: A: 0543+1450-2018 msgs or svc msgs or msg (5lgs) or wx or encrypted tfc after "KKKK..." to 'RFFA' or 'RFQP' (FKN)
			B: 1347 msg to 'RFFA', 1500 en- crypt tfc after "KKKK..." to 'RFFA' (FKN)
13851.0		Polish E Madrid, E	100 Bd: 0907 msg (5fgs) + tfc to SNN 299
13855.0	OXT	Copenhagen Meteo, DNK	FAX // 5850.0 kHz \$
13870.0		VoA Tanger, MRC	(sp 13770.0 kHz)
13871.9	SNN 299	MFA Warsaw, POL	100 Bd: 0443 msg + msg (5fgs) to Far East
13873.0	'RZU'	Bulgarian E Cairo, EGY	1015 ry, tfc + msg to Sofia
13880.0	MKK	RAF London, G	VFT: 1503 ryi
13882.5	DDK 6	Hamburg Meteo, D	FAX // 3855.0 kHz \$
13891.6	IDR 5	IN Rome, I	CW
13895.0	Y2V 47	ADN Berlin, DDR	0500+0600 E nx, 0700 P nx, 0800+0900 A nx, 1000+1100 E nx, 1200+1300 A nx, 1400+1500 E nx, 1600+1700 A nx, 1800 E nx, 2000 A nx
13920.0	AXM 35	Canberra M., ACT, AUS	FAX // 5100.0 kHz \$
	RNK 39	TASS Moscow, RU, URS	0500+0800+1000+1100+1300+1900 E nx
13925.0	MKD	RAF Akrotiri, CYP	VFT: 0638-1556 ryi
			COMB
	Y3D 5	DP Berlin, DDR	0610-1727 ry
13926.9	DFN 92	PIAB Bonn, D	FEC-A 96 Bd: 0900 G nx

13930.0	RIC 76	APN Moscow, RU, URS	FAX 60/288 LSB ISD: 0854 pix
13937.5		APN Moscow, RU, URS	100 Bd: 0400+0500+0600+0800 R nx wtsca
13942.0	SHG 83	STA Stockholm, S	SSB
13942.5	GYU	RN Gibraltar, GIB	0902 ryi, tfc
13947.0	ROM 5	Tashkent Meteo, UZ, URS	24 h wx FAX 60/576: 0835 ASXX RUTK Kazakhstan 0721-1320 ry or tfc 75 Bd: 0945 msgs (5lgs) + tfc to 'L4N' VFT: 1235 ryi 75 Bd: 0848 msgs to DMZ SSB SSB SITOR-A: 0717-0730+1225+1506+ 2040 msgs (QVA) SSB ARQ-E 72 Bd: 1028+1118+1257+ 1435 svc msg or msgs to 'RFFX' (XZL) 75 Bd: 0300+2300 E nx 1936 msgs (SKA) 0000 F nx, 0900 E nx, 1000+ 1100+1200+1300+1600+1700+1800+ 1900+2100 F nx
13950.0	Y7A 55	MFA Berlin, DDR	
13953.0	'RFGW'	MFA Paris, F	
13970.0	MKD	RAF Akrotiri, CYP	
13973.0		Czech E Madrid, E	
13974.0		many USN MARS stations	
13977.5		PTT Moscow, RU, URS	
13977.7	'RFFUAJ'	FF Villacoublay, F	
13979.0	YAB 6	PTT Kabul, AFG	
13980.0	'RFFXL'	FF Beirut, LBN	
13995.0	SLA ..	VoA Monrovia, LBR	
13996.5	STK	Khartoum Air, SDN	
13998.0	FTN 99	DIPLO Paris, F	

14000.0 - 14250.0

AMATEUR + AMATEUR-SATELLITE

14079.5	CLP 5	Cuban E Moscow, RU, URS	0912 msg (5fgs) + msgs to va- rious embassies
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14250.0 - 14350.0

AMATEUR

14324.0	RCV	SN Moscow, RU, URS	CW
14340.0	BAF 47	Beijing Meteo, CHN	2140-1051 wx

14350.0 - 14990.0

FIXED + Mobile except aeronautical mobile (R)

14351.5	FTO 35	DGT Paris, F	SSB
14355.0	5HD	Dar es Salaam Air, TZA	100 Bd: 0452 ry, msgs; 0701+ 1431+1535 ry (DBA) 24 h ry or wx VFT: ARQ 96 Bd: A: 0610 Air Af- rique data channel to N'djamena SSB CW SSB 1200 Polish nx CW SSB FAX // 5527.0 kHz \$ 0600+0700+0800+0900+1000+1100+ 1200+1300+1500+1600+1900 E nx 0354+0956-2204 msgs (JSA) 1100-1700 E nx, 2000 A nx 0830-0945 R nx wca VFT: 1104-2111 msgs (LMC) VFT: 0708 tfc COMB
14356.0	GFL 24	Bracknell Meteo, G	
14356.9	FTO 35	DGT Paris, F	
14357.5	FTO 35	DGT Paris, F	
14360.0	KWS 78	USE Athens, GRC	
14360.4	FTO 35	DGT Paris, F	
14362.0	SOD 236	PAP Warsaw, POL	
14363.8	FTO 35	DGT Paris, F	
14367.0	BAF 8	Beijing Meteo, CHN	
	BZP 54	XINHUA Beijing, CHN	
14370.5	HZJ	Jeddah Air, ARS	
14373.0	YIL 73	INA Baghdad, IRQ	
14376.0	BZT 34	XINHUA Beijing, CHN	
	CSZ	Lisbon Air, POR	
14381.0	MUA	BA London, G	

14384.5		many CFARS stations	SSB
14390.0		PLD Beirut, LBN	SSB
14392.5	ABA 72W	USAF MARS Zweibrkn., D	75 Bd: 1343 msg + tfc to AIR
14394.6		Czech E El Djaza'ir, ALG	75 Bd: 1136 msg (5fgs) + msg to OMZ
14398.0		VoA Delano feeder, CA, USA	SSB
14402.2		Czech E Damascus, SYR	75 Bd: 1143 msg (5fgs) to OMZ
14405.0	MKD	RAF Akrotiri, CYP	VFT: 0642-1838 ryi
14405.8	SAM 45	Swedish E Ankara, TUR	COMB
14409.0		Czech E Beirut, LBN	75 Bd: 0805 msg to SAM
14410.0	RIZ 54	GDR E Athens, GRC	75 Bd: 1145 msg (5fgs) to OMZ
14414.0		R Moscow feeder, RU, URS	0808 msg to Berlin
		GDR E Baghdad, IRQ	SSB
14415.0	MKD	RAF Akrotiri, CYP	100 Bd: 1253 msg (5lgs) to Berlin
14416.0		Bulgarian E Baghdad, IRQ	CW
14418.0	9KT 321	KUNA Safat, KWT	VFT: 1455 ryi
14422.0	9KT 321	KUNA Safat, KWT	COMB
14432.5	MKK	RAF London, G	1222 msg + final tfc to Sofia, s. off
14436.0	GFE 23	Bracknell Meteo, G	1000-1900 E nx
14445.0	LHG	Rogaland R, NOR	0700-2000 A nx
	MKK	RAF London, G	VFT: 0743+1320+1350+2202 ryi
14450.0		many CFARS stations	COMB
14452.0	HMF 57	Maracaibo, VEN	FAX // 2618.5 kHz \$
14456.7		KCNA Pyongyang, KRE	CW
		MFA Cairo, EGY	VFT: 1047+1759+2020+2108 ryi
14458.0	ARA	Karachi Air, PAK	COMB
14458.5		many CFARS stations	SSB
14460.0	Y7A 57	MFA Berlin, DDR	SSB
14462.0	Y7B 26	GDR E Sofia, BUL	0800-1030 E nx
14465.0		MFA Islamabad, PAK	SITOR-A: 1125+1139+1154 ATU-A
14467.7		MFA Islamabad, PAK	msgs
14473.2		Czech E Cairo, EGY	24 h ry or msg
14476.5	'K'	Beacon Khabarovsk, SE, URS	SSB
14477.0		many USN MARS stations	0826-1654 ry or tfc
14479.6	OEC	MFA Vienna, AUT	0640 s. on with tfc
14483.5		many MARS stations	CW
14490.0	RNK 36	TASS Moscow, RU, URS	SSB
14497.5	CSY	Santa Maria Air, AZR	SITOR-A: 1054 tfc
14500.0	RBA 50	PTT Moscow, RU, URS	SITOR-B: 1052 msg
	SUC	Cairo Air, EGY	75 Bd: 1126 msg to OMZ
14500.9	4UNQ	UNIFIL Enn Naqoura, LBN	CW
14501.5	RMS 45	PTT Moscow, RU, URS	SSB
14508.0	D4B	A. Cabral Air, Sal, CPV	1155 tfc
14509.0	RIW	SN Khiva, UZ, URS	SSB
14510.0	RIC 75	TASS Moscow, RU, URS	0430+0500+0600+0800+1000+1100+1200+1300+1500 E nx
14516.7	SAM 51	Swedish E Tehran, IRN	24 h ry or msg (MCA)
14522.0	SAM	MFA Stockholm, S	SSB
			24 h ry or msg (ESA)
			75 Bd: 0819+0844+0927 ry
			ARQ 96 Bd: B: 1352 to Karachi, 1417 svc msg to Karachi (MSK)
			1610 msg, 1618 ry (CMA)
			CW
			0000+0500+0600+0700+0800+0900+1100+1200+1300+1500+1600+1700 E nx
			75 Bd: 0845 msg + msg (5lgs) to SAM
			SSB

14524.0	SAM	MFA Stockholm, S	75 Bd: 0610 msg (5lgs)
	SAM 48	Swedish E Damascus, SYR	75 Bd: 0755 msg to SAM
	SAM 52	Swedish E Tel Aviv, ISR	75 Bd: 0935 msg to SAM
14526.0		VoA Greenvl. fdr., NC, USA	ISB
14526.5		VoA La Union, P. I., PHL	75 Bd: 0000+0100+0600 E nx
14540.0	MKK	RAF London, G	VFT: 1215+1225+1403+1819 ry COMB
14545.0	ROW 24	APN Moscow, RU, URS	100 Bd: 0800+0900 R nx wtsca
14547.5	JAL 44	KYODO Tokyo, J	0720-0820+1000-1100 E nx
14555.0	RDU 52	PTT Moscow, RU, URS	SSB
14556.0	RIW	SN Khiva, UZ, URS	CW
14560.0	HVN	PTT Vatican City, CVA	ARQ 96 Bd: B: 1538 to CUA 68 (VAP)
14564.0	SBC 68	CTA Nicosia, CYP	SSB QSK 16442.0 kHz
14565.0	CLP 1	MFA Habana, CUB	1723 msg (5fgs)
14568.0	HMF 32	KCNA Pyongyang, KRE	0400-0600+1000-1100 E nx
14569.0	Y7A 58	MFA Berlin, DDR	0453-1702 ry or tfc
14573.0		JANA Tripoli, LBY	0700+0800+1000+1100+1600+1700 A nx
14574.4	CNM 59X9	MAP Rabat, MRC	0900-1030 A nx, 1200-1400 E nx, 1530-1700 A nx
14580.0	RCC 74	APN Moscow, RU, URS	100 Bd: 0600 E nx, 0700+0800 A nx, 0900 E nx
14582.5	GFA 25	Bracknell Meteo, G	FAX // 3289.5 kHz \$
14583.7	JTF 29	MFA Ulan Bator, MNG	0525 clg OMZ 24
14600.0	CAK	Santiago Air, CHL	2141 msg
14602.3	BAC 24	PTT Beijing, CHN	0758 ry
14602.5	MKD	RAF Akrotiri, CYP	VFT: 1235 ry COMB
14605.0	JMB 3	Tokyo Meteo, J	CW
	Y7K 30	MFA Berlin, DDR	0603-1339 ry or tfc
14610.0	RCR 79	Khab. Meteo, SE, URS	FAX // 3250.0 kHz \$
14615.5	'53'	UNID station (887)	ARQ-E 96 Bd: 0838 encrypted msg + tfc to '27'
14616.0	KWL 90	USE Manila, PHL	CW
14619.0	Y7A 59	MFA Berlin, DDR	0646-1801 ry or tfc
14625.0	RCB 79	TASS Moscow, RU, URS	0600+0700+0900+1000+1200+1300+ 1500+1600 P nx
14630.5	ISX 46	ANSA Rome, I	0800 E nx, 0900 F nx, 1100 E nx, 1400 F nx, 1500 E nx, 1600+1800 F nx, 1900 E nx, 2000 F nx
14631.0	SUC	Cairo Air, EGY	0405+0749+1153+1220 ry or msg (EKA)
14632.0	YZC 2	TANJUG Belgrade, YUG	1100+1200+1300+1400+1500+1600 E nx
14638.0	WFK 54	USIA New York, NY, USA	75 Bd: 1500+1600+1700+1800+1900 E nx, 2000 S nx, 2100 E nx, 2200 S nx
14640.0	CLN 447 'L4N'	PTT Habana, CUB French E Dakar, SEN	1803 to ITT New York 75 Bd: 1235 ry, clg, tfc + msg (5lgs) to 'P6Z'
14641.0	EBA	KPL Vientiane, LAO	0900 E nx
14650.5	PCW 11	SN Madrid, E	CW
14650.6	KNY 23	Dutch E Singapore, SNG Czech E Washington, DC, USA	SITOR-A: 1159 tfc to PCW 1 75 Bd: 1349+1356+1705+1812 msg (5fgs) to OMZ
14670.0	CHU MKD	Ottawa TS, ONT, CAN RAF Akrotiri, CYP	CW/SSB VFT: 24 h ry COMB
14678.7	RKD 44	PTT Moscow, RU, URS	ARQ 96 Bd: A: 1318 to Aden (MSA)
14680.0	RKD 44	PTT Moscow, RU, URS	SSB

14685.0	3MA 25	CNA Taipei, TAI	FAX // 5117.0 kHz
14690.0	RIC 73	APN Moscow, RU, URS	75 Bd: 1400 A nx
			100 Bd: 0600 E nx, 0900+1200 A nx
14692.5	JMJ 4	Tokyo Meteo, J	FAX // 3365.0 kHz \$
14699.0	YIX 70	INA Baghdad, IRQ	0600-1300 A nx
14700.0	RBD 22	TASS Moscow, RU, URS	0700+0800+0900+1000+1100+1200+1300+2000 E nx
14703.5		Bulgar. E Baghdad, IRQ	1136+1204 msgs + tfc to Sofia
14705.0	GXQ	BA London, G	VFT: 2000 ryi
			COMB
14712.5		RFE Holzkirchen feeder, D	ISB
14720.0	RKB 58	TASS Moscow, RU, URS	0600 F nx, 0800 A nx, 1100 F nx, 1200 A nx, 1300 F nx
14724.0	TNL	ASECNA Brazzaville, COG	0649-2337 ry or msg (FNA)
14736.3	AJO	USAF Adana, TUR	VFT: 75 Bd: 2010+2103 foxes
14737.0	RXD 72	Khab. Meteo, SE, URS	FAX // 4516.7 kHz \$
14738.5	SUU	Cairo Meteo, EGY	0640-1852 ry or wx
14750.0	'RFFXI'	FF Bangui, CAF	ARQ-E 72 Bd: 1645 msg (XZI)
14750.4	FPD 74	DGT Paris, F	SSB
14754.0	FPD 74	DGT Paris, F	SSB
14759.0	GYU	RN Gibraltar, GIB	COMB
14760.0	BAT 93	XINHUA Beijing, CHN	1400 E nx, 1600 F nx, 1930 E nx
	CNM 61	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
14764.0	A9M 70	GNA Manama, BHR	75 Bd: 0500-2100 A nx
14771.3	FTD 77	DGT Paris, F	SSB
14776.0	SUC	Cairo Air, EGY	0303-2315 ry or msgs (EWA)
14777.5	FTD 77	DGT Paris, F	VFT: ARQ 96 Bd: B: 1451-1530
			two Air Afrique data channels to N'djamena
14783.9	FTD 77	DGT Paris, F	SSB
14785.0	ATP 65	MEA Delhi, IND	0830+0900+1000+1200+1300+1400 E nx
14786.5	9PL	Kinshasa Air, ZAI	0559 ry
14788.0	LOL	AN Buenos Aires, ARG	75 Bd: 2033 msgs
14794.3	FTD 79A.H1	AFP Paris, F	0600+0800+0900+1100+1200+1300+1400+1500 A nx
14795.7	FTD 79A.H3	AFP Paris, F	0600+0700+0800+0900+1000+1100+1200+1300+1400+1500+1600+1700 F nx
14800.0	Y2V 24	ADN Berlin, DDR	0600+0700+0900+1000+1100+1300+1400+1500+1600 E nx
14807.0	GXQ	BA London, G	VFT: 0943+1332 ryi
14810.0	HGX 21	MFA Budapest, HNG	COMB
			0830+0852 ry, 1355 clg HGX 57, 1540 clg HGX 50
14818.0	Y7A 60	MFA Berlin, DDR	CW
14825.0	Y2V 25	ADN Berlin, DDR	0800+0900+1000 E nx
14826.0	NPM	USN Pearl Harbour, HWA	FAX // 2122.0 kHz \$
14827.0	TUW	INTERPOL Abidjan, CTI	CW
14831.0	9KT 33	KUNA Safat, KWT	1000-1900 E nx
14835.0	9KT 33	KUNA Safat, KWT	0700-2000 A nx
14837.0	VVD 65	Delhi Meteo, IND	0704+0924 wx
14840.0	NGR	USN Kato Soli, GRC	VFT: 1538 E nx
14842.0	ATV 65	Delhi Meteo, IND	FAX // 4993.5 kHz \$
14846.0	ATQ 66	OTS Calcutta, IND	ARQ 96 Bd: A: 0905 to Singapore
14850.0	ROW 26	R Moscow feeder, RU, URS	ISB
14855.0	MKD	RAF Akrotiri, CYP	VFT: 1632 ryi
			COMB
14867.7		Egyptian E Vienna, AUT	SITOR-A: 0630 ATU-A msg + tfc to Cairo

14875.0	WFE 34	ITT New York, NY, USA	1202-0050 foxes
14880.0	JMG 4	Tokyo Meteo, J	0300-2034 wx
	RIC 72	TASS Moscow, RU, URS	0430+0500 E nx, 0600+0800+
			1200+1300+1400 A nx
14884.0	IRL 58	IINA Rome, I	1300-1500 E nx
14901.0	CLN 451	PL Habana, CUB	0600+1300+1400+1500+1600+1700+
			1800+1900+2000+2100 E nx
14903.4	SAM	MFA Stockholm, S	75 Bd: 1310 msgs to Lisbon
14908.7	COP	Yright Klingenfuss, D	1987: Publications
14909.7		Egyptian E Tunis, TUN	SITOR-A: 0813+1121 ATU-A msg +
			msg (5lgs) to Cairo
14914.7		MFA Cairo, EGY	SITOR-A: 0737 A msg
14925.0	'RFTJ'	FF Dakar, SEN	ARQ 96 Bd: A: 1542+1955 msg (F
			nx) to 'RFTJD' (TJD)
14932.0		APS El Djaza'ir, ALG	0700+0800-1000+1400-1600+1700+
			1800 A nx
14937.5	SUA	ASECNA Niamey, NGR	0718-1843 ry or msgs (NBA)
14938.0	BPJ 22	XINHUA Beijing, CHN	ARQ 192 Bd: A: 1600 F nx
			B: 1500 E nx
			D: 1600 F nx
14940.0	RIC 71	TASS Moscow, RU, URS	0700-1645 F nx
14950.0	RWM 79	APN Moscow, RU, URS	100 Bd: 0400+0600 R nx wtsca
14955.5	CLP 1	MFA Habana, CUB	1730 msg (5fgs) to Lima
14961.0	'RFFXL'	FF Beirut, LBN	ARQ-E 72 Bd: 2030 "controle de
			voie" (XXL)
14963.0	SAM	MFA Stockholm, S	75 Bd: 1230 msg to El Djaza'ir
14968.5	SAM	MFA Stockholm, S	SSB
14970.3	SAM	MFA Stockholm, S	75 Bd: 0750+0824 msgs; 1225
			msg (5lgs)
14972.0	TTZ 49	STIT N'djamena, TCD	VFT: 1246 to Paris
14974.5	TTZ 49	STIT N'djamena, TCD	SSB
14978.2	TTZ 49	STIT N'djamena, TCD	SSB
14982.5	RBV 76	Tashkent Met., UZ, URS	FAX // 3690.0 kHz \$
14982.9		VoA Kavalla, GRC	VFT: 75 Bd: 1315 clg + tfc to
			Greenville
14984.3		VoA Kavalla, GRC	// 14982.9 kHz
14989.0	TNL	ASECNA Brazzaville, COG	24 h ry or msg (BNA)

14990.0 - 15005.0 STANDARD FREQUENCY AND TIME SIGNAL

14993.0	worldwide	MSV SAR operations frequency	SSB
14996.0	RWM	Moscow TS, RU, URS	CW
15000.0	ATA	Delhi TS, IND	SSB
	BPM	Xi'an TS, CHN	CW/SSB
	BSF	Taipei TS, TAI	CW/SSB
	JJY	Tokyo TS, J	COMB
	LOL 3	AN Buenos Aires TS, ARG	CW/SSB
	RTA	Novosibirsk TS, SW, URS	CW
	WVW	Fort Collins TS, CO, USA	COMB
	WVWH	Kihei TS, Maui Island, HWA	COMB
15004.0	RID	Irkutsk TS, SE, URS	CW

15005.0 - 15010.0 STANDARD FREQUENCY AND TIME SIGNAL + Space Research

15010.0 - 15100.0 AERONAUTICAL MOBILE (OR)

15020.0	YKP 33	SANA Damascus, SYR	1600 F nx
15021.7		MFA Cairo, EGY	SITOR-A: 1312 ATU-A tfc

15023.7		MFA Cairo, EGY	SITOR-B: 1348 final tfc, s. off
15024.0	COL	Habana Air, CUB	CW
15035.0	CHR	CF Trenton, ONT, CAN	SSB
15041.7		MFA Cairo, EGY	SITOR-B: 1230 ATU-A msg
15046.0		INTERFLUG Berlin, DDR	SSB
15060.0	RQM 76	Khab. Meteo, SE, URS	(hx 7530.0 kHz)

15100.0 - 15600.0 BROADCASTING

15462.0		JANA Tripoli, LBY	0800 E nx, 1700 F nx
15470.0	CAN 6D	Presid. Eduardo Frei	FAX // 5302.5 kHz
		Montalva Meteo, CHL	CW
15480.0		APS El Djaza'ir, ALG	1000+1100 E nx, 1200 F nx, 1300+1400+1500 E nx, 1600 F nx, 1700 S nx, 1900 E nx (hx 7760.0 kHz)
15520.0	RGH 77	Arkhangelsk Meteo,	(hx 7760.0 kHz)
		RU, URS	0900+1200 E nx
15544.0	BZS 25	XINHUA Beijing, CHN	0202-1029 wx
15566.0	RTC 26	Novosibirsk Met., SW, URS	0800+0900+1200+1300 E nx
15575.0	REN 30	TASS Moscow, RU, URS	0600+0800+0900 E nx, 1200+1300
15580.0	REM 58	TASS Moscow, RU, URS	F nx, 1400+1600 E nx
15593.0	KRH 51	USE London, G	75 Bd: 0650+1156-1849 foxes
15597.0	KRH 51	USE London, G	// 15593.0 kHz

15600.0 - 16360.0 FIXED

15600.0	RBN 76	R Moscow feeder, RU, URS	SSB
15605.0	RKU 73	TASS Moscow, RU, URS	0800+1600 E nx
15615.0	AXI 35	Darwin Meteo, NT, AUS	FAX // 5755.0 kHz \$
15630.0	RWM 72	APN Moscow, RU, URS	100 Bd: 0700+0800 R nx wtsc
15633.0	HMF 26	KCNA Pyongyang, KRE	0400-0530 E nx, 0600-0830+
			1230-1430 R nx wca
15640.0	RKF 67	APN Moscow, RU, URS	100 Bd: 0600 A nx
15643.0	9KT 331	KUNA Safat, KWT	1000-1900 E nx
15644.0	ADK	SN/USN Rota, E	FAX // 3379.5 kHz \$
15647.0	9KT 331	KUNA Safat, KWT	0700-2000 A nx
15660.0	RHT 23	APN Moscow, RU, URS	100 Bd: 0800 E nx, 0900 R nx
			wtsc
15665.5	FDY	FAF Orleans, F	1000 ry
15670.0	HBM 36	MTI Budapest, HNG	1615 E nx
15684.0	FSB	INTERPOL Paris, F	SITOR-A: 0755 msg
15688.0	RNP	SN Kaliningrad, RU, URS	CW
15690.0	MKD	RAF Akrotiri, CYP	VFT: 1129+1507+2050 ryi
	RWM 75	APN Moscow, RU, URS	75 Bd: 0700 R nx wtsc
15693.0	RWU 55	APN Moscow, RU, URS	75 Bd: 0800+0900 F nx
			100 Bd: 0700 F nx
15693.5	ISX 56	ANSA Rome, I	0800 E nx, 0900 F nx, 1100+1200
			E nx, 1400 F nx, 1500 E nx, 1600
			F nx
15700.0	ZAA	ATA Tirana, ALB	(hx 7850.0 kHz)
15704.5	'U'	Beacon Murmansk, RU, URS	CW
15705.0	YZJ 6	TANJUG Belgrade, YUG	0900+1100+1200+1300+1500+1600
			F nx
15710.0	RED 52	TASS Moscow, RU, URS	0700-1645 F nx
15712.0	9HY 15	DW Cyclops, MLT	1109+1128 ry, 1130 tfc
15715.0	MKK	RAF London, G	VFT: 1153+1237 ryi
			COMB
		VoA Greenvl. fdr., NC, USA	ISB
15715.8		VoA Greenville, NC, USA	VFT: 75 Bd: 1350 msg to Rhodes

15717.1		VoA Greenville, NC, USA	// 15715.8 kHz
15720.0	RWM 74	APN Moscow, RU, URS	100 Bd: 0700 R nx wtscA, 0800 E nx, 0900 R nx wtscA
15727.0	YKW 113	STE Damascus, SYR	0900+1500 to Moscow (DMS)
15731.0	STS 20	SUNA Khartoum, SDN	1000+1415 A nx, 1600 E nx, 1700 A nx
15737.0	GYU	RN Gibraltar, GIB	VFT: 1312 tfc
15744.0	XVN 36	VNA Hanoi, VTN	0700+0800 E nx
15750.0	RWM 73	PTT Moscow, RU, URS	0557+0648+1501 to YKW 113 (MSD)
15760.0	GYU	RN Gibraltar, GIB	COMB
15770.5	STA 20	SNIM Nouadhibou, MTN	SSB
15774.8	STA 20	SNIM Nouadhibou, MTN	VFT: 1144+1233+1312+1415 msg
15775.0	'RFNP'	FF Saint-Pierre, SPM	ARG-E 72 Bd: 1237 msg to 'RFFX'
15775.8	STA 20	SNIM Nouadhibou, MTN	// 15774.8 kHz
15776.0	ZRH	SAN Capetown, AFS	75 Bd: 1251 clg NMN
15778.0	STA 20	SNIM Nouadhibou, MTN	SSB
15780.0	RWM 71	TASS Moscow, RU, URS	0600+0700+0800+0900+1000+1100+1200+1300+1500+1600 E nx
15783.0	STA 20	SNIM Nouadhibou, MTN	SSB
15798.0	TNB 82	OTIC Brazzaville, COG	SSB
15806.7	KNY 23	Czech E Wash., DC, USA	75 Bd: 1500 msg (5fgs) to DMZ
15810.0		PETRA Amman, JOR	0800-0900 A nx
15827.0	4UA	UND Rawalpindi, PAK	75 Bd: 0438 ry, 0624+0740 msg
15845.0	SUA 289	MENA Cairo, EGY	0600+0700+0800+0900+1000+1100+1200+1300+1400+1500+1600 A nx
15850.0	AJO	USAF Adana, TUR	SSB
15850.8	AJO	USAF Adana, TUR	VFT: 75 Bd: 1242 foxes
15860.0	'RFFXI'	FF Bangui, CAF	ARG-E 72 Bd: 0742 msg (XZI)
15865.0	RBK 79	TASS Moscow, RU, URS	0800+1200 A nx, 1300 F nx, 1400+1500+1800 A nx
15873.2	CLP ..	Cuban E Damascus, SYR	1234 msg (5fgs) to CLP 1
15878.0	3MA 24	CNA Taipei, TAI	FAX // 5117.0 kHz
15890.0	RBI 79	TASS Moscow, RU, URS	0700+0800+0900+1000+1300+1500+1600+1700+1800 P nx
15897.0	NGR	USN Kato Soli, GRC	VFT: 1707 E nx
15897.5	OLS 4	CETeka Prague, TCH	1500 E nx
15901.0	GYE	RN London, G	VFT: ARG 96 Bd: B: 1008 encrypted tfc
15908.0		GDR E Pyongyang, KRE	COMB
15910.0	RGG 43	APN Moscow, RU, URS	100 Bd: 0908 msg + msg (5lgs) to Berlin
15918.6	DFP 92	PIAB Bonn, D	75 Bd: 0700 E nx
15920.0	CFH	CF Halifax, NS, CAN	100 Bd: 0800 E nx, 0900 R nx wtscA
15922.0		GDR E Aden, YMS	FEC-A 96 Bd: 0700 B nx
15923.0	NPO	Bulgarian E Tripoli, LBY	CW
15925.0	RPT 32	USN Subic Bay, PHL	100 Bd: 1247 msg (5lgs) + msg to Berlin
15927.0	NPO	TASS Moscow, RU, URS	CW
15930.0	RBI 78	USN Subic Bay, PHL	75 Bd: 1215 msg + encrypted msg to Sofia
15940.0	ELE 25	TASS Moscow, RU, URS	FAX // 10253.0 kHz \$
15945.0	GXQ	USLRC Harbel, LBR	0700+0900+1100+1200 F nx
15950.0	CXR	BA London, G	FAX // 3379.5 kHz \$
		UN Montevideo, URG	0430+0500 E nx, 0700-1645 F nx
			SITOR-A: 1236 tfc, 1420+1538 msg
			VFT: 0820+0945+1442 ryi
			COMB
			75 Bd: 2020-2200 ry

15950.0	JJD	RRL Tokyo, J	CW
	RBI 77	Moscow Meteo, RU, URS	FAX // 2815.0 kHz \$
15952.0		Polish E Cairo, EGY	100 Bd: 1135 msgs
15955.0	3BT 4	Vacoas Meteo, MAU	0030+0330+0630+0930+1230+1530+
			1830 wx to NKW
15960.0	'RFLI'	FF Fort de France, MRT	ARQ 96 Bd: A: 1331 msgs to
			'RFFA' (FBL)
15963.0	Y7A 62	MFA Berlin, DDR	0448-1712 ry or tfc
15965.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz
15977.0	FPP 97B	AFP Paris, F	0700+0900+1000+1100+1200+1300+
			1400+1500+1600+1700 E nx
15978.4	FPP 97F	AFP Paris, F	0700+0900+1000+1100+1200+1300+
			1400+1500+1600+1700 F nx
15992.0	4UZ	UND Geneva, SUI	75 Bd: 0724 msgs, 1618 msg +
			tfc
15999.9	CNM 69.1X	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx,
			1530-1700 F nx
16005.0	IDR 6	IN Rome, I	CW
16012.1	'RFVI'	FF Le Port, REU	ARQ 96 Bd: B: 0908 msg to
			'RFQP' (FKN)
16017.4	DFQ 21L1	PIAB Bonn, D	FEC-A 96 Bd: 1430 G nx
16020.0	RHA 42	APN Moscow, RU, URS	100 Bd: 0600+0700 F nx, 0800+
			0900 A nx, 1000 F nx, 1100 A nx
16022.0	NPN	USN Apra Harbour, GUM	FAX // 3379.5 kHz \$
16025.0	BAF 9	Beijing Meteo, CHN	FAX // 5527.0 kHz \$
16031.4	RBI 75	PTT Moscow, RU, URS	ARQ 96 Bd: A: 0723+0907 to
			Kabul (MAF)
16039.5	MKK	RAF London, G	VFT: 1120 ryi
			COMB
16040.0	RTT 40	APN Moscow, RU, URS	100 Bd: 0700+0800 A nx, 0900+
			1000 F nx
16041.5	AEM 1USA	USA MARS Heidelberg, D	SSB
16044.0	AEM 1USA	USA MARS Heidelberg, D	45 Bd: 1142+1342 msgs
16050.0	RCE 54	TASS Moscow, RU, URS	0600+0700+0800+1000+1200+
			1300+1700 E nx
16060.0	RFM 27	APN Moscow, RU, URS	100 Bd: 0600+0700 E nx, 0800 R
			nx wtsca, 0900+1000 E nx, 1100
			R nx wtsca
	RFM 27	R Moscow feeder, RU, URS	SSB
16065.0	YZJ 7	TANJUG Belgrade, YUG	75 Bd: 1100 E nx
		RFE Holzkirchen feeder, D	1SB
16075.0		APN Moscow, RU, URS	75 Bd: 0800+1000 E nx
16081.0	CLP 1	MFA Habana, CUB	1044 msg (5fgs)
16085.0	RND 71	APN Moscow, RU, URS	100 Bd: 0700+0800 E nx
16086.0	'RFVI'	FF Le Port, REU	ARQ 96 Bd: B: 0800-1100+1657+
			1722 msg or "controle de voie"
			to 'RFFA' (DNI, REI)
16090.0	CLP 1	MFA Habana, CUB	0838 msgs to Hanoi
16106.0	FPQ	DIPLO Paris, F	0100+0400+1200 F nx
16107.5	HBD 20	MFA Berne, SUI	SITOR-A: 1139 tfc to HBD 42,
			1237+1538+1550 tfc
	HBD ..	Swiss E Kinshasa, ZAI	SITOR-A: 1420 msg to HBD 20
16108.2		Czech E Tokyo, J	75 Bd: 1035 msgs to DMZ
16115.0	GYA	RN London, G	FAX // 8334.0 kHz \$
16117.0	6VK 317	PANA Dakar, SEN	0900-1200+1300-1800 E or F nx
16119.0	BZR 66	XINHUA Beijing, CHN	(sp 16136.0 kHz)
16124.6	'RFQP'	FF Jibuti, DJI	ARQ 96 Bd: A: 0717-0920+1524
			msgs or encrypted tfc after
			"KKKK..." to 'RFFA' (FKOA, QPA)
			B: 0716-1148 msgs or encrypted
			tfc after "KKKK..." or "controle
			de voie" to 'RFFA' (FKOB, QPA)

16134.1	CNM 71.9X	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
16135.0	KVM 70 RBI 72	Honolulu Meteo, HWA APN Moscow, RU, URS	FAX // 5037.5 kHz \$ 100 Bd: 0800 P nx, 0900 R nx wtsca
16136.0	BZR 66	XINHUA Beijing, CHN	1000+1100+1200+1300 E nx
16140.0	RGW 28	TASS Moscow, RU, URS	0600+0700+0800+1000+1100+1200+ 1300+1500 E nx
16142.0	'RFLI'	FF Fort de France, MRT	ARQ 96 Bd: A: 1310+1537 msg to 'RFFA', 2043 encrypted tfc after "KKKK..." to 'RFFA' (FDI) B: 1253 msg to 'RFFA' (FBL) 100 Bd: 0500+0600+0700+0800+ 0900+1000+1100+1300 E nx VFT: 1703 ryi COMB
16145.0	RWM 77	APN Moscow, RU, URS	CW
16148.0	MKD	RAF Akrotiri, CYP	100 Bd: 0900+1000 E nx 1330 E nx
16149.0	7RQ 20	MFA El Djaza'ir, ALG	75 Bd: 0600 A nx, 0700 E nx, 0800 A nx, 0900 E nx
16150.0	RCE 59 9VF 205	APN Moscow, RU, URS JIJI Singapore, SNG	ARQ 96 Bd: A: 0617-1500 msg or "revue de presse quotidienne" (F nx) or encrypted tfc after "KKKK..." to 'RFQP' (FDXA) B: 0617+1047 msg (PQB)
16155.0		APN Moscow, RU, URS	75 Bd: 0800+0900+1000+1100 F nx CW
16164.6	'RFFA'	MOD Paris, F	0700-1645 F nx, 1700 A nx 75 Bd: 1311-1654 ry, 1823 msg to CCQ 0448-1653 ry or tfc CW CW
16175.0	RGW 27	APN Moscow, RU, URS	1543 clg 5YE
16180.0	NAM	USN Norfolk, VA, USA	75 Bd: 1023 msg (E nx), 1357 foxes
16190.0	RGW 26	TASS Moscow, RU, URS	24 h ry or msg (SEA)
16194.0	NBA	USN Balboa, PNR	1500 E nx
16199.0	Y7A 63	MFA Berlin, DDR	SITOR-A: 0613 ATU-A msg
16199.3	Y7A 63	MFA Berlin, DDR	1987 fuss Publications
16200.0	RIW	SN Khiva, UZ, URS	1127-2255 foxes or to Habana
16202.0	5NK 'RUTA'	Kano Air, NIG SN/USN Rota, E	100 Bd: 0600+0700+0800+0900 A nx 0230-0330+0930-1030+1330-1500 E nx
16203.5	STK	Khartoum Air, SDN	ARQ-E 72 Bd: 1705 msg to 'RFFX' (XZI)
16210.0	SOQ 221	PAP Warsaw, POL	FAX 60/288: 0700-0826+2344 J nx (text) CW
16211.7		MFA Cairo, EGY	FEC-A 144 Bd: 1240 msg (5lgs) + msg + final tfc to 'RFGW', s. off
16211.9		Copyright Klingens, D	75 Bd: 0609 msg to 4UF, ry
16212.5	WFD 76	ITT New York, NY, USA	ARQ 96 Bd: A: 0713 Bakhtar clg
16220.0	RBI 74	APN Moscow, RU, URS	TASS, 1050 to Moscow 0607-1516 ry or tfc CW CW CW CW
16224.0	3MA 35	CNA Taipei, TAI	
16226.5	'RFFXI'	FF Bangui, CAF	
16230.0	JAQ 66	KYODO Tokyo, J	
	'D7.'	FF Nouakchott, MTN	
16234.3	4UZ	UND Geneva, SUI	
16235.3	YAB 9	PTT Kabul, AFG	
16243.0	Y7A 64	MFA Berlin, DDR	
16245.0	5ST 5YD 70C 'DJR'	ASECNA Antananarivo, MDG Nairobi Air, KEN Khormaksar Air, YMS Jibuti Air, DJI	

16250.0	RME 22	APN Moscow, RU, URS	100 Bd: 0700+0800+0900 E nx
16259.0		CBG Kamsar, GUI	1212+1448+1505 msgs
16260.0	REM 57	TASS Moscow, RU, URS	0700-1645 F nx
16265.0	9VF 206	ANSA Singapore, SNG	1700 E nx
16268.0	Y7A 65	MFA Berlin, DDR	0636-0817 tfc
16270.0	9VF 207	KYODO Singapore, SNG	FAX 60/576: 0712-0843+1409- 1820 J nx (text)
16280.0	MKD	RAF Akrotiri, CYP	VFT: 1106-1655 ryi
			COMB
	RKD 41	PTT Moscow, RU, URS	SSB
16300.0	RMD 59	APN Moscow, RU, URS	100 Bd: 0900+1000+1100+1200 P nx
16308.0	Y7A 66	MFA Berlin, DDR	1409 tfc
16318.7		MFA Cairo, EGY	SITOR-A: 0759+0820+1028+1532 A msg
16323.0	OVC	DM Groennedal, GRL	CW
16325.0	Y2V 23	ADN Berlin, DDR	0600 E nx, 0800 A nx, 1000+1100 E nx, 1200 A nx, 1400+1500 E nx, 1600 A nx, 1700 E nx, 2000 A nx
16330.0	RKA 75	R Moscow feeder, RU, URS	1SB
16331.1		FRG E Dakar, SEN	ARQ-E 96 Bd: 1230 msg and en- crypted msgs to Bonn
16338.0		Polish E Ulan Bator, MNG	75 Bd: 0635 msgs to SNN 299
16339.5	'CJL'	MFA Nicosia, CYP	100 Bd: 0656 s. on with ry, tfc, into
			ARQ-E 96 Bd: 0657 ry, tfc, msgs (5lgs), 0720 final tfc, s. off
16340.0	ZKLF	Auckland Meteo, NZL	FAX // 5807.0 kHz \$
			CW
16343.0	YZI 4	TANJUG Belgrade, YUG	0400+0700+0800+0900+1000+1300 E nx
16345.0		MFA Sofia, BUL	75 Bd: 1252 msg
16345.5		Italian E Cairo, EGY	SITOR-A: 1540 msgs (5lgs) to Rome
16348.0	CLN 530	PL Habana, CUB	1200+1300+1400+1500+1600+1700+ 1800+1900+2000+2200 E nx
16350.0	CLP 33	Cuban E Ads. Ababa, ETH	1105 msgs
16356.8	Y7A 67	MFA Berlin, DDR	1704 tfc
<u>16360.0 - 17410.0</u>		<u>MARITIME MOBILE</u>	
16361.0		GDR E Sofia, BUL	1123 tfc
16363.0	KKN 50	MFA Washington, DC, USA	CW
16370.0	OMZ	MFA Prague, TCH	75 Bd: 0825 msgs
16375.4	BWD 4	MFA Delhi, IND	1103 clg + tfc to BWD 1
16378.0	BWB 1	Indian E Belgrade, YUG	0705 clg + tfc to BWD 4
16379.2	BWB 4	Indian E Tehran, IRN	0803 tfc + msg (5lgs)
16383.0	'VNA 30'	VNA Hanoi, VTN	1200+1300 F nx
16395.0	OMZ	MFA Prague, TCH	75 Bd: 0821+0933+1400 msg
16397.5	FTQ 39	DIPLO Paris, F	0900+1000+1200+1300 F nx, 1400 E nx, 1500+1600+1700 F nx
16403.0	Y2V 57	ADN Berlin, DDR	0600+0700+1000+1100+1400 F nx, 1500 E nx, 2000 S nx
16407.0	OZU 25	MFA Copenhagen, DNK	SITOR-A: 1330 tfc
16408.2	TTZ 64	STIT N'djamena, TCD	SSB
	BWB 4	Indian E Tehran, IRN	0815 msgs
16410.0	NAM	USN Norfolk, VA, USA	FAX // 3357.0 kHz \$
16413.3	TTZ 64	STIT N'djamena, TCD	VFT: 1340 msg
16417.0	Y2V 26	ADN Berlin, DDR	0700+0800+0900+1000+1100+2000 E nx, 2100 S nx, 2200 E nx
16417.8	FTQ 41	DGT Paris, F	SSB

16420.3	FTQ 41	DGT Paris, F	SSB	
16435.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz	
16441.8	HGX 21	MFA Budapest, HNG	0603 s. on with clg	HGX 42
16445.0	NGR	USN Kato Soli, GRC	VFT: 1649 E nx	
16458.0	KRH 50	USE London, G	CW	
16460.0		ship stations, ch 1601	SSB	Qsx 17232.9 kHz
16463.1		ship stations, ch 1602	SSB	Qsx 17236.0 kHz
16466.2		ship stations, ch 1603	SSB	Qsx 17239.1 kHz
16469.3		ship stations, ch 1604	SSB	Qsx 17242.2 kHz
16472.4		ship stations, ch 1605	SSB	Qsx 17245.3 kHz
16475.5		ship stations, ch 1606	SSB	Qsx 17248.4 kHz
16478.6		ship stations, ch 1607	SSB	Qsx 17251.5 kHz
16481.7		ship stations, ch 1608	SSB	Qsx 17254.6 kHz
16484.8		ship stations, ch 1609	SSB	Qsx 17257.7 kHz
16487.9		ship stations, ch 1610	SSB	Qsx 17260.8 kHz
16491.0		ship stations, ch 1611	SSB	Qsx 17263.9 kHz
16494.1		ship stations, ch 1612	SSB	Qsx 17267.0 kHz
16497.2		ship stations, ch 1613	SSB	Qsx 17270.1 kHz
16500.3		ship stations, ch 1614	SSB	Qsx 17273.2 kHz
16503.4		ship stations, ch 1615	SSB	Qsx 17276.3 kHz
16506.5		ship stations, ch 1616	SSB	Qsx 17279.4 kHz
16509.6		ship stations, ch 1617	SSB	Qsx 17282.5 kHz
16512.7		ship stations, ch 1618	SSB	Qsx 17285.6 kHz
16515.8		ship stations, ch 1619	SSB	Qsx 17288.7 kHz
16518.9		ship stations, ch 1620	SSB	Qsx 17291.8 kHz
	WCM	Withamsville R, OH, USA		
16522.0		ship stations, ch 1621	SSB	Qsx 17294.9 kHz
		(worldwide calling frequency)		
	worldwide	distress and safety frequency		
16525.1		ship stations, ch 1622	SSB	Qsx 17298.0 kHz
16528.2		ship stations, ch 1623	SSB	Qsx 17301.1 kHz
16531.3		ship stations, ch 1624	SSB	Qsx 17304.2 kHz
16534.4		ship stations, ch 1625	SSB	Qsx 17307.3 kHz
16537.5		ship stations, ch 1626	SSB	Qsx 17310.4 kHz
16540.6		ship stations, ch 1627	SSB	Qsx 17313.5 kHz
16543.7		ship stations, ch 1628	SSB	Qsx 17316.6 kHz
16546.8		ship stations, ch 1629	SSB	Qsx 17319.7 kHz
16549.9		ship stations, ch 1630	SSB	Qsx 17322.8 kHz
16553.0		ship stations, ch 1631	SSB	Qsx 17325.9 kHz
16556.1		ship stations, ch 1632	SSB	Qsx 17329.0 kHz
16559.2		ship stations, ch 1633	SSB	Qsx 17332.1 kHz
16562.3		ship stations, ch 1634	SSB	Qsx 17335.2 kHz
16565.0		Roseau Port R, DMA	SSB	
16565.4		ship stations, ch 1635	SSB	Qsx 17338.3 kHz
16568.5		ship stations, ch 1636	SSB	Qsx 17341.4 kHz
16571.6		ship stations, ch 1637	SSB	Qsx 17344.5 kHz
16572.0	HOR 24	REFPA Panama R, PNR	SSB	
16574.7		ship stations, ch 1638	SSB	Qsx 17347.6 kHz
16577.8		ship stations, ch 1639	SSB	Qsx 17350.7 kHz
16580.9		ship stations, ch 1640	SSB	Qsx 17353.8 kHz
16584.0		ship stations, ch 1641	SSB	Qsx 17356.9 kHz
16587.1	worldwide	coast and ship stations simplex frequency	SSB	
	CBV	DGTMMM Valparaíso R, CHL		
	COB 36	Flota Cubana F R, CUB		
	CWC 30	UN La Paloma, URG		
	CWC 39	UN Montevideo, URG		
	HAR 6	Budapest R, HNG		
	OSU 68	Oostende R, BEL		
	PCG 65	Scheveningen R, HOL		
	9MG 37	Georgetown R, Pin. I., MLA		

16590.2	worldwide	coast and ship stations simplex frequency	SSB
	CWC 30	UN La Paloma, URG	
	OSU 69	Oostende R, BEL	
	PCG 66	Scheveningen R, HOL	
16593.3	worldwide	coast and ship stations simplex frequency	SSB
	OSU 65	Oostende R, BEL	
	PCG 67	Scheveningen R, HOL	
16660.5		ship stations, series 1	QSOX 17197.5 kHz
16661.0		ship stations, series 2	QSOX 17198.0 kHz
16661.5		ship stations, series 3	QSOX 17198.5 kHz
16662.0		ship stations, series 4	QSOX 17199.0 kHz
16662.5		ship stations, series 5	QSOX 17199.5 kHz
16663.0		ship stations, series 6	QSOX 17200.0 kHz
16663.5		ship stations, series 7	QSOX 17200.5 kHz
16664.0		ship stations, series 8	QSOX 17201.0 kHz
16664.5		ship stations, series 9	QSOX 17201.5 kHz
16665.0		ship stations, series 10	QSOX 17202.0 kHz
16665.5		ship stations, series 11	QSOX 17202.5 kHz
16666.0		ship stations, series 12	QSOX 17203.0 kHz
16666.5		ship stations, series 13	QSOX 17203.5 kHz
16667.0		ship stations, series 14	QSOX 17204.0 kHz
16667.5		ship stations, series 15	QSOX 17204.5 kHz
16668.0		ship stations, series 16	QSOX 17205.0 kHz
16668.5		ship stations, series 17	QSOX 17205.5 kHz
16669.0		ship stations, series 18	QSOX 17206.0 kHz
16669.5		ship stations, series 19	QSOX 17206.5 kHz
16670.0		ship stations, series 20	QSOX 17207.0 kHz
16670.5		ship stations, series 21	QSOX 17207.5 kHz
16671.0		ship stations, series 22	QSOX 17208.0 kHz
16671.5		ship stations, series 23	QSOX 17208.5 kHz
16672.0		ship stations, series 24	QSOX 17209.0 kHz
16672.5		ship stations, series 25	QSOX 17209.5 kHz
16673.0		ship stations, series 26	QSOX 17210.0 kHz
16673.5		ship stations, series 27	QSOX 17210.5 kHz
16674.0		ship stations, series 28	QSOX 17211.0 kHz
16674.5		ship stations, series 29	QSOX 17211.5 kHz
16675.0		ship stations, series 30	QSOX 17212.0 kHz
16675.5		ship stations, series 31	QSOX 17212.5 kHz
16676.0		ship stations, series 32	QSOX 17213.0 kHz
16676.5		ship stations, series 33	QSOX 17213.5 kHz
16677.0		ship stations, series 34	QSOX 17214.0 kHz
16677.5		ship stations, series 35	QSOX 17214.5 kHz
16678.0		ship stations, series 36	QSOX 17215.0 kHz
16678.5		ship stations, series 37	QSOX 17215.5 kHz
16679.0		ship stations, series 38	QSOX 17216.0 kHz
16679.5		ship stations, series 39	QSOX 17216.5 kHz
16680.0		ship stations, series 40	QSOX 17217.0 kHz
16680.5		ship stations, series 41	QSOX 17217.5 kHz
16681.0		ship stations, series 42	QSOX 17218.0 kHz
16681.5		ship stations, series 43	QSOX 17218.5 kHz
16682.0		ship stations, series 44	QSOX 17219.0 kHz
16682.5		ship stations, series 45	QSOX 17219.5 kHz
16683.0		ship stations, series 46	QSOX 17220.0 kHz
16683.5		ship stations, series 47	QSOX 17220.5 kHz
16684.0		ship stations, series 48	QSOX 17221.0 kHz
16684.5		ship stations, series 49	QSOX 17221.5 kHz
16685.0		ship stations, series 50	QSOX 17222.0 kHz
16685.5		ship stations, series 51	QSOX 17222.5 kHz
16686.0		ship stations, series 52	QSOX 17223.0 kHz
16686.5		ship stations, series 53	QSOX 17223.5 kHz

16687.0	ship stations, series 54	Qsx 17224.0 kHz
16687.5	ship stations, series 55	Qsx 17224.5 kHz
16688.0	ship stations, series 56	Qsx 17225.0 kHz
16688.5	ship stations, series 57	Qsx 17225.5 kHz
16689.0	ship stations, series 58	Qsx 17226.0 kHz
16689.5	ship stations, series 59	Qsx 17226.5 kHz
16690.0	ship stations, series 60	Qsx 17227.0 kHz
16690.5	ship stations, series 61	Qsx 17227.5 kHz
16691.0	ship stations, series 62	Qsx 17228.0 kHz
16691.5	ship stations, series 63	Qsx 17228.5 kHz
16692.0	ship stations, series 64	Qsx 17229.0 kHz
16692.5	ship stations, series 65	Qsx 17229.5 kHz
16693.0	ship stations, series 66	Qsx 17230.0 kHz
16693.5	ship stations, series 67	Qsx 17230.5 kHz
16694.0	ship stations, series 68	Qsx 17231.0 kHz
16694.5	ship stations, series 69	Qsx 17231.5 kHz
16695.0	ship stations, non-paired	
<i>worldwide NBDPT distr. and safety f.</i>		
	ship stations	Qsx 16882.5 kHz (GKS 6)
16695.5	ship stations, non-paired	
16696.0	ship stations, non-paired	
16696.5	ship stations, non-paired	
16697.0	ship stations, non-paired	
16697.5	ship stations, non-paired	
16698.0	ship stations, non-paired	
	ship stations	Qsx 18993.5 kHz (SPW)
16698.5	ship stations, non-paired	
16699.0	ship stations, non-paired	
16699.5	ship stations, non-paired	
16700.0	ship stations, non-paired	
16700.5	ship stations, non-paired	
	ship stations	Qsx 17024.0 kHz (SAB 83)
16701.0	ship stations, non-paired	
16701.5	ship stations, non-paired	
16702.0	ship stations, non-paired	
16702.5	ship stations, non-paired	
16703.0	ship stations, non-paired	
16703.5	ship stations, non-paired	
16704.0	ship stations, non-paired	
16704.5	ship stations, non-paired	
16705.0	ship stations, non-paired	
	ship stations	Qsx 17009.0 kHz (SAB 84)
16705.5	ship stations, non-paired	
16720.8	ship stations calling, ch 1	CW
16722.4	ship stations calling, ch 2	CW
16724.0	ship stations calling, ch 3	CW
16725.6	ship stations calling, ch 4	CW
16727.2	ship stations calling, ch 5	CW
16728.8	ship stations calling, ch 6	CW
16730.4	ship stations calling, ch 7	CW
16732.0	ship stations calling, ch 8	CW
16733.6	ship stations calling, ch 9	CW
16735.2	ship stations calling, ch 10	CW
16736.8	ship stations calling, ch 11	CW
16738.4	ship stations calling, ch 12	CW
16740.0	ship stations calling, ch 13	CW
16741.6	ship stations calling, ch 14	CW
16743.2	ship stations calling, ch 15	CW
16744.8	ship stations calling, ch 16	CW
16746.4	ship stations calling, ch 17	CW
16748.0	ship stations calling, ch 18	CW
16750.0	<i>worldwide DSC distress and safety f.</i>	

16750.5	worldwide	ship stations	DSC freq.	
16751.0	worldwide	ship stations	DSC freq.	
16751.7		Egyptian E Paris, F		SITOR-A: 0900 ATU-A msg to Cairo
16851.0	CBV	DGTHMM Valparaiso R, CHL	CW	
16860.8	HZG	Dammam R, ARS	CW	
16861.5	SOW	Lagos R, NIG	CW	
16861.7	PKB	Belawan R, INS	CW	
	PKD	Surabaya R, INS	CW	
	PKX	Jakarta R, INS	CW	
	SPE 82	Szczecin R, POL	CW	
	WNU	Slidell R, LA, USA	CW	
16862.5	XSV	Tianjin R, CHN	CW	
16863.3	HEB	Berne R, SUI	CW	
16865.0	UJY	Kaliningrad R, RU, URS	CW	
16866.0	LZL 6	Bourgas R, BUL	CW	
16867.5	UXN	Arkhangelsk R, RU, URS	CW	
16868.0	A4M	Muscat R, OMA	CW	
16868.5	9VB 53	Singapore R, SNG	CW	
16869.0	HPP	Panama R, PNR	CW	
16870.0	UJY	Kaliningrad R, RU, URS		0800-1441 R ry or tts wtsc
16870.5	L5A	Boca R, ARG	CW	
16871.3	CWA	Cerrito R, URG	CW	
	KLC	Galveston R, TX, USA	CW	
16873.0	TIM	Limon R, CTR	CW	
16874.0	Z8D 52	Durban R, AFS	CW	
16874.5	ZLO	RNZN Waiouru, NZL	CW	
16876.0	FUG	FN La Regine, F	CW	
16877.5	JDB	Nagasaki R, J	CW	
16878.0	URB 2	Klaipeda R, LI, URS		0737+1120+1245+1540 R tts wtsc
16878.5	DJZ	Bulacan R, PHL	CW	
16879.0	ICB	Genova R, I	CW	
16880.0	A7D	Doha R, QAT	CW	
	YIR	Basrah Control R, IRQ	CW	
16880.9	NMC	USCB San Franc., CA, USA	CW	
16881.0	ICB	Genova R, I	CW	
16882.5	GKS 6	Portishead R, G		SITOR-A: 0709-1556 tts; Q5X 16695.0 kHz
			CW	
16883.0	JOU	Nagasaki R, J	CW	
16884.5	X8Q 7	Guangzhou R, CHN	CW	
16885.7	UJY	Kaliningrad R, RU, URS		0721-1420 R tts wtsc
16887.5	SPH 81	Gdynia R, POL	CW	
16889.6	GYA	RN London, G		75 Bd: 1403 test
16890.5	UFN	Novorossiysk R, RU, URS	CW	
16890.8	ZSC 39	Capetown R, AFS	CW	
16892.9	Y5M	Rügen R, DDR	CW	
16895.5	IAR 7	Rome R, I	CW	
16897.5	OMC	Bratislava R, TCH	CW	
	OMK	Komarno R, TCH	CW	
	OXZ 82	L yngby R, DNK	CW	
16902.0	PCH 60	Scheveningen R, HOL	CW	
	3SD	Beijing R, CHN		FAX // 8460.0 kHz \$
16902.5	DYP	Cebu R, PHL	CW	
	PW.	many BN stations, B	CW	
16903.0	SVM 6	Athens R, GRC	CW	
16904.9	CW./..	many UN stations, URG	CW	
	WCC	Chatham R, MA, USA	CW	
16905.0	FUV	FN Jibuti, DJI	CW	
16906.0	YIR	Basrah Control R, IRQ	CW	
16907.3	Y5M	Rügen R, DDR	CW	
16909.7	TFA	Reykjavik R, ISL	CW	

16910.0	HLJ	Soul R, KOR	CW
16911.2	JNA	Tokyo R, J	CW
16914.5	CBV	DGTMM Valparaiso R, CHL	CW
	SPH 84	Gdynia R, POL	CW
	XDA	Mexico City R, MEX	CW
16915.0	FUX	FN Le Port, REU	CW
16916.5	WSC	Tuckerton R, NJ, USA	CW
	XSG 8	Shanghai R, CHN	CW
16917.0	OMC	Bratislava R, TCH	CW
	OMK	Komarno R, TCH	CW
16918.0	LZW 6	Varna R, BUL	CW
	PPJ	Juncao R, B	CW
16918.6	VIX 6	RAN Canberra, ACT, AUS	CW
16918.8	GKJ 6	Portishead R, G	CW
16920.0	QXZ 81	Lyngby R, DNK	CW
	9GX	Tema R, GHA	CW
16921.0	CLS	Habana F R, CUB	CW
16922.0	UDK 2	Murmansk R, RU, URS	CW
	'RBSL'	IN Bombay, IND	0310-1433 ry or msg
16923.6	OFJ 7	Helsinki R, FIN	CW
	SOZ 23	Port Harcourt R, NIG	CW
16925.6	L2C	Buenos Aires R, ARG	CW
	L2S	Mar del Plata R, ARG	CW
	L2X	Comodoro Rivadavia R, ARG	CW
16926.5	CFH	CF Halifax, NS, CAN	CW
16927.0	UJY	Kaliningrad R, RU, URS	1532+1622 ry, 1610-1652 R navi- gational warnings wtsca
			CW
16927.5	XFE	Ensenada R, MEX	CW
16928.4	LFX	Rogaland R, NOR	CW - Lbw
16930.4	5RS	Toamasina R, MDG	CW
16930.8	ELZ	Cape Palmas R, LBR	CW
16932.0	7TA 10	El Djaza'ir R, ALG	CW
16933.0	OBV 2	Paita R, PRU	CW
16933.2	JOS	Nagasaki R, J	CW
	WCC	Chatham R, MA, USA	CW
16935.0	A7D	Doha R, QAT	CW
16935.5	XFA	Acapulco R, MEX	CW
16937.3	GYA	RN London, G	75 Bd: 0713+1114+1405 test
16938.0	HAR	Budapest R, HNG	CW
	VTG 8	IN Bombay, IND	CW
16938.6	GYA	RN London, G	FAX // 2813.6 kHz \$
			CW
16939.8	KLC	Galveston R, TX, USA	CW
16940.5	XSW	Kaohsiung R, TAI	CW
16940.8	LST	YPF Buenos Aires R, ARG	CW
16942.0	RCV	SN Moscow, RU, URS	CW
	SOZ 23	Port Harcourt R, NIG	CW
16942.5	XDA	Mexico City R, MEX	CW
16942.8	EDF 5	Aranjuez R, E	CW
	YUR 7	Rijeka R, YUG	CW
16944.0	LZL 6	Bourgas R, BUL	CW
16945.0	XVG 7	Hai Phong R, VTN	CW
16947.6	CBV	DGTMM Valparaiso R, CHL	CW
	FFT 8	Saint Lys R, F	CW
	VIP 5	Perth R, WA, AUS	CW
	VRT	Hamilton R, BER	CW
	6VA 7	Dakar R, SEN	CW
	6YI	Kingston R, JMC	CW
	8PO	Bridgetown R, BRB	CW
	8RB	Demerara R, GUY	CW
16947.8	TUA 9	Abidjan R, CTI	CW

16948.0	HCG	Guayaquil R, EQA	CW
	RCV	SN Moscow, RU, URS	CW
16948.5	VCS	CCG Halifax, NS, CAN	CW
16950.0	PWZ	BN Rio de Janeiro, B	CW
	XSQ 4	Guangzhou R, CHN	CW
	9MB 6	MN Georgetown, Pin.I., MLA	CW
16951.0	YKI	SCOTC Tartus R, SYR	CW
16951.5	6WW	FN Dakar, SEN	CW
16952.0	DUF	Manila R, PHL	CW
16952.4	LFT	Rogaland R, NOR	CW
16953.0	HZG	Dammam R, ARS	CW
16954.4	GKC 6	Portishead R, G	CW
16955.0	UDH	Riga R, LA, URS	1539 R tts wtsca
16956.0	CBV	DGTMH Valparaíso R, CHL	CW
	PZN 26	Paramaribo R, SUR	CW
16959.2	CUB	Funchal R, MDR	CW
	CUG	Ponta Delgada R, AZR	CW
	CUL 22	Lisbon R, POR	CW
16960.0	HZY	ARAMCO Ras Tanura R, ARS	CW
	PWB	PN Belem, B	CW
	PWF	PN Salvador, B	CW
	PWN	PN Natal, B	CW
	UMV	Murmansk R, RU, URS	CW
16961.0	CLA 40	Habana R, CUB	CW
16961.5	FUF	FN Fort de France, MRT	CW
16962.5	DXF	Davao R, PHL	CW
16963.0	UJY	Kaliningrad R, RU, URS	0718+1405 R tts wtsca
	5AL	ARGOIL Tobruk R, LBY	CW
16964.2	ZRQ 6	SAN Capetown, AFS	CW
16965.0	Y5M	Rügen R, DDR	CW
16966.0	SVI 6	Athens R, GRC	CW
	S9M	Sao Tome R, STP	CW
16966.5	9VG 58	Singapore R, SNG	CW
16967.5	WLO	Mobile R, AL, USA	CW
16968.0	DUS	Manila R, PHL	CW
	PPL	Belem R, B	CW
16968.5	WLO	Mobile R, AL, USA	CW ✓
16968.8	XSJ	Zhanjiang R, CHN	CW
16970.0	ICB	Genova R, I	CW
	OBQ 5	Iquitos R, PRU	CW
	UQB	Kholmok R, FE, URS	CW
	URD	Leningrad R, RU, URS	1115 R tts wtsca
16971.0	JJC	Tokyo R, J	FAX // 4316.0 kHz
16972.0	WCC	Chatham R, MA, USA	CW
16973.0	TAD	MFA Ankara, TUR	FEC-A 144 Bd: 0904 msg to Tel Aviv
			CW
16973.5	WCC	Chatham R, MA, USA	CW
16974.0	SPE 81	Szczecin R, POL	CW
16974.6	GKD 6	Portishead R, G	CW
16975.0	VWM	Madras R, IND	CW
16976.0	DUN	PN Manila, PHL	CW
	NMN	USCG Portsmouth, VA, USA	CW
16977.0	OMP 6	Prague R, TCH	CW
16978.4	WKM	West Haven R, CT, USA	CW
	3BM 6	Port Louis R, MAU	CW
16980.4	DAM	Norddeich R, D	CW
16981.5	SVG 6	Athens R, GRC	CW
16983.0	ELC	Monrovia R, LBR	CW
16983.2	EQZ	IORC Abadan R, IRN	CW
	NMR	USCG San Juan, PTR	CW
16984.0	PPR	Rio de Janeiro R, B	CW

16986.0	CTP	NATO Lisbon, POR	CW
16987.0	VPS 79	Victoria Island R, HKG	CW
16987.2	GYU	RN Gibraltar, GIB	CW
16990.0	HLO	Soul R, KOR	CW
16992.0	DUM	Manila R, PHL	CW
16992.8	UAT	Moscow R, RU, URS	CW
16993.5	UBN	Zhdanov R, UK, URS	1303 ry, 1310 R tts wtsca CW
16995.0	SVF 6	Athens R, GRC	CW
	9KK 22	Safat R, KWT	CW
16996.0	CLJ	Habana R, CUB	CW
16997.0	UDH	Riga R, LA, URS	CW
16998.5	JDC	Choshi R, J	CW
17000.0	Y5M	Rügen R, DDR	CW
17002.4	CBV	DBTMM Valparaiso R, CHL	CW
	XSG 29	Shanghai R, CHN	CW
17003.5		Italian E Baghdad, IRQ	SITOR-A: 0956 msg (5lgs) + tfc + msg to Rome
17004.0	HKB	Barranquilla R, CLM	CW
17005.0	IAR 37	Rome R, I	CW
17007.2	PCH 61	Scheveningen R, HOL	CW ✓
17007.7	KLB	Seattle R, WA, USA	CW
17008.8	TAH	Istanbul R, TUR	CW
17009.0	SAB 84	Goeteborg R, S	scheduled; QSX 16705.0 kHz
17011.0	XSX	Keelung R, TAI	CW
17014.0	UEK	Feodosiya R, UK, URS	CW
17015.0	QBF 4	Mollendo R, PRU	CW
	UJQ	Kiyev R, UK, URS	CW
17016.0	SPH 82	Gdynia R, POL	CW
	'C'	Beacon Moscow, RU, URS	CW
17016.1	'K'	Lingenfuss Copyright, D	CW
17016.2	'P'	Beacon Kaliningrad, RU, URS	CW
17016.5	KPH	San Francisco R, CA, USA	CW
17016.8	KPH	San Francisco R, CA, USA	CW
17017.0	'D'	Beacon Odessa, UK, URS	CW
17017.1	OST 6	Oostende R, BEL	CW
17018.0	EBA	SN Madrid, E	CW
	ZSC 44	Capetown R, AFS	CW
17019.0	EBA	SN Madrid, E	75 Bd: 1000+1700 ry, msg (navigational warnings)
17020.0	UDK 2	Murmansk R, RU, URS	CW
17021.6	TAH	Istanbul R, TUR	CW
17023.0	CLJ	Habana R, CUB	CW
17024.0	DZY 7	Manila R, PHL	CW
	OMP 61	Prague R, TCH	CW
	SAB 83	Goeteborg R, S	SITOR-A: 0508-1613 tts; QSX 16700.5 kHz
17025.0	UPB	Provideniya R, FE, URS	CW
17026.0	KFS	San Francisco R, CA, USA	CW
17027.0	FFL 8	Saint Lys R, F	CW
17027.5	HPP	Panama R, PNR	CW
17030.0	XSG	Shanghai R, CHN	CW
17030.4	GYC 6	RN London, G	CW
17032.0	SXE	HCG Elevisis, GRC	CW
17034.0	VWB	Bombay R, IND	CW
17035.4	XSW	Kaohsiung R, TAI	CW
17036.0	NWC	USN Exmouth, WA, AUS	CW
	PWN	BN Natal, B	CW
	UXN	Arkhangelsk R, RU, URS	0901-1340 R ry or tts wtsca
17037.0	YQI 6	Constanta R, ROU	CW
17038.0	WNU	Slidell R, LA, USA	CW
17038.5	URL	Sevastopol' R, UK, URS	0807-1548 R tts wtsca

17039.0	CBV	DGTMM Valparaiso R, CHL	CW	
17040.8	FFS 8	Saint Lys R, F	CW	
	FJA 26	Papeete R, Tahiti, OCE	CW	
17043.2	JCU	Choshi R, J	CW	
17045.0	ROT	SN Moscow, RU, URS	CW	
17045.6	HKC	Buenaventura R, CLM	CW	
	LPD 46	General Pacheco R, ARG	CW	
	YUR 8	Rijeka R, YUG	CW	
	4PB	Colombo R, SLK	CW	
	9MG 11	Georgetown R, Pin. I., MLA	CW	
17048.0	DAF	Norddeich R, D	CW	
	DZW	Manila R, PHL	CW	
17050.0	URB 2	Klaipeda R, LI, URS	CW	
17050.4	ASK	Karachi R, PAK	CW	
	4XZ	IN Haifa, ISR	CW	
17052.5	JNA	Tokyo R, J	CW	
17053.0	XSX	Keelung R, TAI	CW	
17055.0	LZW 6	Varna R, BUL	CW	
17055.6	D4A 8	Mindelo R, S. Vicente, CPV	CW	
17057.2	SAB 8	Goeteborg R, S	CW	
17060.0	PW.	many BN stations, B	CW	
	UKK 3	Nakhodka R, SE, URS	CW	
	4XO	Haifa R, ISR	CW	
17062.0	HZG	Dammam R, ARS	CW	
	NWC	USN Exmouth, WA, AUS	FAX // 3379.5 kHz \$	
17063.0	UFB	Odessa R, UK, URS	CW	
17064.0	SPH 83	Gdynia R, POL	CW	
17064.8	EDZ 6	Aranjuez R, E	CW	
17066.0	UAT	Moscow R, RU, URS	1342 R tts wtsca	
			CW	
17068.4	OXZ 8	Lyngby R, DNK	CW	
17069.5	JJC	Tokyo R, J	FAX // 4316.0 kHz	
17069.6	XF. .	many PEMEX R stations, MEX	CW	
17070.0	SPE 83	Szczecin R, POL	CW	
17072.0	DZE	Mandaluyong R, PHL	CW	
	GKG 6	Portishead R, G	CW	
17074.4	LGX	Rogaland R, NOR	CW	
	PNK	Jayapura R, INS	CW	
17075.0	ZSD 47	Durban R, AFS	CW	
17077.0	UAH	Tallinn R, ES, URS	CW	
17079.0	HLF	Soul R, KOR	CW	
17079.4	SAG 8	Goeteborg R, S	CW	
17080.0	DZD 3	Manila R, PHL	CW	
	XSQ	Guangzhou R, CHN	CW	
17082.0	DAB	Norddeich R, D	CW	
17084.0	IQX	Trieste R, I	CW	
	ZPK	Asuncion R, PRG	CW	
17091.0	XSQ 4	Guangzhou R, CHN	CW	
17092.0	GKH 6	Portishead R, G	CW	
17093.6	AQP 7	PN Karachi, PAK	CW	
	JOR	Nagasaki R, J	CW	
	WMH	Baltimore R, MD, USA	CW	
17094.8	SVA 6	Athens R, GRC	CW	
17096.0	VPS 80	Victoria Island R, HKG	CW	
17098.4	GKA 6	Portishead R, G	CW	
17100.0	YSM	Rügen R, DDR	CW	
17103.2	UFB	Odessa R, UK, URS	1318 R tts wtsca	
	XSG	Shanghai R, CHN	CW	
17104.2	PCH 62	Scheveningen R, HOL	CW	
17105.0	IRM	CIRM Rome, I	CW	
17106.5	WSC	Tuckerton R, NJ, USA	CW	
17108.0	FUF	FN Fort de France, MRT	75 Bd: 1351 ry	

17110.0	UFL	Vladivostok R, SE, URS	CW
17112.0	DZP	Novaliches R, PHL	CW
17112.6	JCS	Choshi R, J	CW
17113.0	GKB 6	Portishead R, G	CW
17114.7		MFA Cairo, EGY	SITOR-A: 1420 msg (5lgs) + ATU-A tfc to Lima
17115.0	URD	Leningrad R, RU, URS	CW
17115.5	XFL	Mazatlan R, MEX	CW
17117.5	PBC 317	DN Goeree Island, HOL	75 Bd: 0609-1730 ry
17117.6	WNU	Slidell R, LA, USA	CW
17118.0	HLG	Soul R, KOR	CW
17120.0	PPD	Olinda R, B	CW
17120.5	XDA	Mexico City R, MEX	CW
17122.0	PWZ	BN Rio de Janeiro, B	1712-0436 ry or wx
17122.4	PWZ	BN Rio de Janeiro, B	CW
17126.0	XSZ	Dalian R, CHN	CW
17127.2	ZLP 6	RNZN Waiouru, NZL	CW
17128.0	HAR	Budapest R, HNG	CW
17130.0	HAR	Budapest R, HNG	CW
	HLW	Soul R, KOR	CW
	ROT	SN Moscow, RU, URS	CW
17131.0	UJQ 7	Kiyev R, UK, URS	CW
17131.2	BAC 7	PTT Beijing, CHN	1348 ry
17132.0	XSV	Tianjin R, CHN	CW
	ZSJ 6	SAN Capetown, AFS	CW
17134.0	XFN	Progreso R, MEX	CW
17135.0	UJQ	Kiyev R, UK, URS	0805-1555 R ry or msg or tts wtsca
17135.7	GKN 6	Portishead R, G	CW
17136.8	GKM 6	Portishead R, G	CW
17137.0	UHK	Batumi R, GE, URS	CW
17137.7	GKO 6	Portishead R, G	CW
17138.4	VIS 62	Sydney R, NSW, AUS	CW
17140.0	PWZ	BN Rio de Janeiro, B	FAX // 8291.0 kHz \$
	XDA	Mexico City R, MEX	CW
17141.0	UFN	Novorossiysk R, RU, URS	0855-1657 R ry or tts wtsca
17141.6	JGC	Yokohama R, J	CW
	JNE	Hiroshima R, J	CW
	UBN	Zhdanov R, UK, URS	0733-1135 R ry or tts wtsca
	YVG	La Guayra R, VEN	CW
17143.6	DAN	Norddeich R, D	CW
17144.0	DZD	Antipolo R, PHL	CW
17145.0	LZW 6	Varna R, BUL	CW
17146.4	ELC	Monrovia R, LBR	CW
	NRV	USCG Apra Harbour, GUM	CW
	4XO	Haifa R, ISR	CW
17147.2	SVJ 6	Athens R, GRC	CW
17147.9	SRS	Toamasina R, MDG	CW
17149.0	TIM	Limon R, CTR	CW
17150.2	URL	Sevastopol' R, UK, URS	CW
17151.2	GKI 6	Portishead R, G	CW
	NMC	USCG San Fr., CA, USA	FAX // 4346.0 kHz \$
17152.0	DZZ	Manila R, PHL	CW
	UJY	Kaliningrad R, RU, URS	CW
17155.0	ROT	SN Moscow, RU, URS	CW
17156.0	ASK	Karachi R, PAK	CW
17160.0	DZO	Bulacan R, PHL	CW
	OBC 3	Callao R, PRU	CW
	PWZ	BN Rio de Janeiro, B	CW
17160.8	IAR 27	Rome R, I	CW
	LSA 6	Boca R, ARG	CW

LBV 6 NOV 88 0016

17162.0	PPD	Olinda R, B	CW
17163.0	RNO	SA/AAMC Moscow, RU, URS	0803 R tts wtsca
			CW
17164.8	ZSC 7	Capetown R, AFS	CW
17165.6	CLA 41	Habana R, CUB	CW
	LFF	Rogaland R, NOR	CW
	3CA 6	Malabo R, GNE	CW
17166.5	JCT	Choshi R, J	CW
17167.5	GKK 6	Portishead R, G	CW
17168.0	DZN	Navotas R, PHL	CW
17169.0	A9M	Hamala R, BHR	CW
17169.5	WPD	Tampa R, FL, USA	CW
17170.0	PPJ	Juncao R, B	CW
	PPL	Belem R, B	CW
17170.4	CNP	Casablanca R, MRC	CW
	PJC	Willemstad R, Curacao, ATN	CW
	ZLB 6	Awarua R, NZL	CW
17172.0	UFN	Novorossiysk R, RU, URS	1243 R tts wtsca
17172.4	WLO	Mobile R, AL, USA	CW
	9MG 11	Georgetown R, Pin. I., MLA	CW
17173.0	ZAD 2	Durres R, ALB	CW
17173.5	WLO	Mobile R, AL, USA	CW
17175.2	A9M	Hamala R, BHR	CW
	CLS	Habana F R, CUB	CW
	EDG 5	Aranjuez R, E	CW
	VAI	CCG Vancouver, BC, CAN	CW
	5ZF 4	Mombasa R, KEN	CW
	70A	Aden R, YMS	CW
	98A	Takoradi R, GHA	CW
	9LL	Freetown R, SRL	CW
17177.6	DAL	Norddeich R, D	CW
17180.0	HWN	FN Paris, F	CW
	LQL	AN Buenos Aires TS, ARG	CW
17181.0	UDH	Riga R, LA, URS	1338 ry
			CW
17182.0	ICB	Genova R, I	CW
	LZL 6	Bourgas R, BUL	CW
17183.0	Y5M	Rügen R, DDR	1330 G nx
17184.0	DZK	Bulacan R, PHL	CW
17184.8	EAD 5	Aranjuez R, E	CW
	KFS	San Francisco R, CA, USA	CW
	PKA	Sabang R, INS	CW
	PKE	Amboina R, INS	CW
	PKP	Dumai R, INS	CW
	9PA	Banana R, ZAI	CW
	9YL	North Post R, TRD	CW
17187.0	OST 62	Oostende R, BEL	CW
17188.0	SVD 6	Athens R, GRC	CW
17189.6	CLS	Habana R, CUB	CW
	D3E 71	Luanda R, AGL	CW
	XYR 9	Rangoon R, BRM	CW
17190.1	UHK	Batumi R, GE, URS	1343 R tts wtsca
			CW
17191.0	LSA	Boca R, ARG	CW
17192.0	VRN 80	Victoria Island R, HKG	CW
	JAC 17	Monte Carlo R, MCO	CW
17194.0	C2N	Makwa R, NRU	CW
17194.4	PPR	Rio de Janeiro R, B	CW
	SVB 6	Athens R, GRC	CW
17197.5		coast stations, series 1	Q5X 16660.5 kHz
	DCN	Norddeich R, D	scheduled
	KFS	San Francisco R, CA, USA	scheduled

17197.5	S9H 9VG 82	Sao Tome R, STP Singapore R, SNG	scheduled scheduled CW
17198.0	GKE 6	coast stations, series 2 Portishead R, G	QX 16661.0 kHz SITOR-A: 0824-2242 tts SITOR-B: 1500 tfc list CW
	MNU ZLW	Slidell R, LA, USA Wellington R, NZL	scheduled scheduled
17198.5	KFS	coast stations, series 3 San Francisco R, CA, USA	QX 16661.5 kHz scheduled CW
	OST 66 UFM 3 XSV	Oostende R, BEL Nevelsk R, FE, URS Tianjin R, CHN	scheduled scheduled scheduled
17199.0		coast stations, series 4	QX 16662.0 kHz
	50W 17	Lagos R, NIG	CW
17199.5	LGX 2	coast stations, series 5 Rogaland R, NOR	QX 16662.5 kHz SITOR-A: 1134-1512 tts SITOR-B: 0700+1700+1900 N nx CW
	MLO	Mobile R, AL, USA	scheduled CW
	5RS	Toamasina R, MDG	scheduled
17200.0	EDJ 6	coast stations, series 6 Aranjuez R, E	QX 16663.0 kHz SITOR-A: 0830-1456 tts SITOR-B: 1900 tfc list CW
	UQK VIP 35	Riga R, LA, URS Perth R, WA, AUS	scheduled scheduled CW
17200.5		coast stations, series 7	QX 16663.5 kHz
	HPP XSG	Panama R, PNR Shanghai R, CHN	scheduled scheduled
17201.0		coast stations, series 8	QX 16664.0 kHz
	FFT 81	Saint Lys R, F	SITOR-A: 0745-1733 tts SITOR-B: 0600+0800+0900+1100+ 1500+1600 tfc list or wx CW
17201.5		coast stations, series 9	QX 16664.5 kHz
	CBV HZG KLC OFA VRT 9MG 17	DGTMM Valparaiso R, CHL Daman R, ARS Galveston R, TX, USA Helsinki R, FIN Hamilton R, BER Georgetown R, Pin. I., MLA	scheduled scheduled scheduled scheduled scheduled scheduled
17202.0		coast stations, series 10	QX 16665.0 kHz
	A9H	Hanala R, BHR	scheduled CW
	DCM	Norddeich R, D	scheduled
17202.5		coast stations, series 11	QX 16665.5 kHz
	CBV XSQ 3AC 27	DGTMM Valparaiso R, CHL Guangzhou R, CHN Monte Carlo R, MCO	scheduled scheduled scheduled
17203.0		coast stations, series 12	QX 16666.0 kHz
	NMF NRV OST 67	USCG Boston, MA, USA USCG Apra Harbour, GUM Oostende R, BEL	scheduled scheduled SITOR-A: 0824+1340+1618 tts
17203.5		coast stations, series 13	QX 16666.5 kHz
	KPH	San Francisco R, CA, USA	scheduled CW
	MCC	Chatham R, MA, USA	scheduled

17204.0	KPH SAB 814 VIS 69	coast stations, series 14 San Francisco R, CA, USA Goeteborg R, S Sydney R, NSW, AUS	Q SX 16667.0 kHz scheduled SITOR-A: 1315+1344 tts scheduled CW
	MCC ZPK	Chatham R, MA, USA Asuncion R, PRB	scheduled CW
17204.5	A7D UXN WLO	coast stations, series 15 Doha R, QAT Arkhangelsk R, RU, URS Mobile R, AL, USA	Q SX 16667.5 kHz scheduled scheduled scheduled
17205.0	COB 36 HEC 17	coast stations, series 16 Flota Cubana F R, CUB Berne R, SUI	Q SX 16668.0 kHz scheduled SITOR-A: 0801-1455 tts CW
	UPB YUR	Provideniya R, FE, URS Rijeka R, YUG	scheduled scheduled
17205.5	KLC UCO 9VG 83	coast stations, series 17 Galveston R, TX, USA Yalta R, UK, URS Singapore R, SNG	Q SX 16668.5 kHz scheduled scheduled SITOR-A: 0720-1454 tts CW
17206.0	OXZ	coast stations, series 18 Lyngby R, DNK	Q SX 16669.0 kHz SITOR-A: 1250-1533 tts, 1600 Danish nx SITOR-B: 1530 tfc list scheduled
	WPD 9HG 17	Tampa R, FL, USA Georgetown R, Pin. I., MLA	scheduled scheduled
17206.5	UDH	coast stations, series 19 Riga R, LA, URS	Q SX 16669.5 kHz SITOR-A: 1147 R tts wtscA CW
	MNU ZSC 64	Slidell R, LA, USA Capetown R, AFS	scheduled SITOR-B: 0615+1615 tfc list, 1750 wx CW
17207.0	A7D IAR NMC	coast stations, series 20 Doha R, QAT Rome R, I USCG San Franc., CA, USA	Q SX 16670.0 kHz scheduled scheduled scheduled
17207.5	KPH WCC	coast stations, series 21 San Francisco R, CA, USA Chatham R, MA, USA	Q SX 16670.5 kHz scheduled SITOR-A: 1245-2255 tts SITOR-B: 1700 wx CW
17208.0	KLC KPH UBE 2 ZSD 62	coast stations, series 22 Galveston R, TX, USA San Francisco R, CA, USA Petropavlovsk R, FE, URS Durban R, AFS	Q SX 16671.0 kHz scheduled scheduled scheduled scheduled CW
	3AC 37	Monte Carlo R, MCO	scheduled
17208.5	SVT 6	coast stations, series 23 Athens R, GRC	Q SX 16671.5 kHz SITOR-A: 0611-1344 tts SITOR-B: 1300 Greek nx CW
17209.0	5ZF	coast stations, series 24 Mombasa R, KEN	Q SX 16672.0 kHz scheduled
17209.5	WLO 9VG 96	coast stations, series 25 Mobile R, AL, USA Singapore R, SNG	Q SX 16672.5 kHz SITOR-A: 1058+1345+1705 tts CW scheduled CW

17210.0		coast stations, series 26	QX 16673.0 kHz
	CLA	Habana R, CUB	scheduled
	SBA 94	Nicosia R, CYP	SITOR-A: 1137 tts
17210.5		coast stations, series 27	QX 16673.5 kHz
	NMN	USCG Portsmouth, VA, USA	scheduled
	NMO	USCG Honolulu, HWA	scheduled
17211.0		coast stations, series 28	QX 16674.0 kHz
	IAR	Rome R, I	SITOR-A: 0818-1508 tts CW
	KFS	San Francisco R, CA, USA	scheduled
17211.5		coast stations, series 29	QX 16674.5 kHz
	UKX	Nakhodka R, SE, URS	scheduled
17212.0		coast stations, series 30	QX 16675.0 kHz
	FFT 82	Saint Lys R, F	SITOR-A: 0949-1709 tts CW
	VPS 82	Victoria Island R, HKG	scheduled
17212.5		coast stations, series 31	QX 16675.5 kHz
	DXZ	Lyngby R, DNK	SITOR-A: 0641-1818 tts SITOR-B: 0930 tfc list, 1157+ 1210 tts, 1730 tfc list CW
	VCS	CCG Halifax, NS, CAN	scheduled
17213.0		coast stations, series 32	QX 16676.0 kHz
	3AC 47	Monte Carlo R, MCO	scheduled
17213.5		coast stations, series 33	QX 16676.5 kHz
	HPP	Panama R, PNR	scheduled
	UDK 2	Murmansk R, RU, URS	scheduled
17214.0		coast stations, series 34	QX 16677.0 kHz
	IAR	Rome R, I	scheduled
17214.5		coast stations, series 35	QX 16677.5 kHz
	JBO	Tokyo R, J	scheduled
17215.0		coast stations, series 36	QX 16678.0 kHz
	CLA	Habana R, CUB	scheduled
	GKP 6	Portishead R, G	SITOR-A: 0800-1625 tts CW
	WPD	Tampa R, FL, USA	scheduled
17215.5		coast stations, series 37	QX 16678.5 kHz
	UFL	Vladivostok R, SE, URS	scheduled
17216.0		coast stations, series 38	QX 16679.0 kHz
	J2A	Jibuti R, DJI	scheduled
	KPH	San Francisco R, CA, USA	scheduled
	OFA	Helsinki R, FNL	scheduled
	WCC	Chatham R, MA, USA	SITOR-A: 1255+1615+1623 tts CW
	YUS	Split R, YUG	scheduled
17216.5		coast stations, series 39	QX 16679.5 kHz
	UQB	Kholmak R, FE, URS	scheduled
17217.0		coast stations, series 40	QX 16680.0 kHz
	COP	Iright Klingenfuss, D	scheduled
17217.5		coast stations, series 41	QX 16680.5 kHz
	PCH 65	Scheveningen R, HOL	SITOR-A: 0800-2152 tts CW
17218.0		coast stations, series 42	QX 16681.0 kHz
	GKY 6	Portishead R, G	SITOR-A: 1143-1703 tts CW
	UMV	Murmansk R, RU, URS	1032+1103+1500-1532 R ry or tts wtsca
17218.5		coast stations, series 43	QX 16681.5 kHz
	HEC 37	Berne R, SUI	scheduled
	UFB	Odessa R, UK, URS	scheduled
			CW

17219.0		coast stations, series 44	Qsx 16682.0 kHz
17219.5		coast stations, series 45	Qsx 16682.5 kHz
	DCL	Norddeich R, D	SITOR-A: 1343+1348+1450 tts
	UBN	Zhdanov R, UK, URS	scheduled
17220.0		coast stations, series 46	Qsx 16683.0 kHz
	YUH	Bar R, YUG	scheduled
17220.5		coast stations, series 47	Qsx 16683.5 kHz
	KFS	San Francisco R, CA, USA	scheduled
	UXN	Arkhangelsk R, RU, URS	SITOR-A: 1140 R tts wtsca CW
17221.0		coast stations, series 48	Qsx 16684.0 kHz
	HEC 27	Berne R, SUI	SITOR-A: 0828+1056+1153 tts CW
	KLC	Galveston R, TX, USA	scheduled
	UGH 2	Juzno R, FE, URS	scheduled
17221.5		coast stations, series 49	Qsx 16684.5 kHz
	SVU 6	Athens R, GRC	scheduled CW
	UFH	Petropavlovsk R, FE, URS	scheduled
17222.0		coast stations, series 50	Qsx 16685.0 kHz
	VPS 83	Victoria Island R, HKG	scheduled
17222.5		coast stations, series 51	Qsx 16685.5 kHz
	FFT 83	Saint Lys R, F	SITOR-A: 0743-1728 tts CW
17223.0		coast stations, series 52	Qsx 16686.0 kHz
	LGX 3	Rogaland R, NOR	SITOR-A: 0612-1934 tts SITOR-B: 0700+1700+1900 N nx CW
	WNU	Slidell R, LA, USA	scheduled
17223.5		coast stations, series 53	Qsx 16686.5 kHz
	KLI 74	Ngenfuss Publica, D	1987 tions Copyright
17224.0		coast stations, series 54	Qsx 16687.0 kHz
	UJQ	Kiyev R, UK, URS	scheduled
	WLO	Mobile R, AL, USA	scheduled
17224.5		coast stations, series 55	Qsx 16687.5 kHz
	IAR	Rome R, I	scheduled
	UJY	Kaliningrad R, RU, URS	1351 R tts wtsca
17225.0		coast stations, series 56	Qsx 16688.0 kHz
	CUL	Lisbon R, POR	scheduled
17225.5		coast stations, series 57	Qsx 16688.5 kHz
	SAB 8..	Goeteborg R, S	SITOR-A: 0613-1700 tts
	WNU	Slidell R, LA, USA	scheduled CW
17226.0		coast stations, series 58	Qsx 16689.0 kHz
	UFN	Novorossiysk R, RU, URS	SITOR-A: 0740-1837 R tts wtsca CW
	UMV	Murmansk R, RU, URS	1034+1505 R tts wtsca
17226.5		coast stations, series 59	Qsx 16689.5 kHz
17227.0		coast stations, series 60	Qsx 16690.0 kHz
	DCF	Norddeich R, D	scheduled
17227.5		coast stations, series 61	Qsx 16690.5 kHz
17228.0		coast stations, series 62	Qsx 16691.0 kHz
	LZW	Varna R, BUL	scheduled
	UAT	Moscow R, RU, URS	SITOR-A: 0749-1309 R tts wtsca, 1315 G nx, 1320-1935 R tts wtsca SITOR-B: 1352 R tts wtsca CW
	ZPK	Asuncion R, PRG	CW
	JAC 57	Monte Carlo R, MCO	scheduled
17228.5		coast stations, series 63	Qsx 16691.5 kHz
	UNH 2	Klaipeda R, LI, URS	scheduled

17229.0		coast stations, series 64	QX 16692.0 kHz
	SAB 864	Goeteborg R, S	SITOR-A: 0614-1633 tts
	UHK	Batumi R, GE, URS	scheduled
17229.5		coast stations, series 65	QX 16692.5 kHz
	YUR	Rijeka R, YUG	scheduled
17230.0		coast stations, series 66	QX 16693.0 kHz
	PCH 66	Scheveningen R, HOL	SITOR-A: 0933 sched, 1033-1318
			tts
			CW
17230.5		coast stations, series 67	QX 16693.5 kHz
	IAR	Rome R, I	scheduled
17231.0		coast stations, series 68	QX 16694.0 kHz
	GKQ 6	Portishead R, G	SITOR-A: 0737-1835 tts
			CW
	URD	Leningrad R, RU, URS	scheduled
17231.5		coast stations, series 69	QX 16694.5 kHz
17232.0	worldwide	coast stations DSC freq.	
17232.5	worldwide	coast stations DSC freq.	
17232.9		coast stations, ch 1601	SSB QX 16460.0 kHz
	LFN 2	Rogaland R, NOR	
	LPL 5	General Pacheco R, ARG	
	OXZ	Lyngby R, DNK	
	SAB	Goeteborg R, S	
	S7Q	Victoria R, Mahe, SEY	
	UFN	Novorossiysk R, RU, URS	
	UNM 2	Klaipeda R, LI, URS	
	WOM	Pennsuco R, FL, USA	
17236.0		coast stations, ch 1602	SSB QX 16463.1 kHz
	GKT 62	Portishead R, G	
	HZG	Dammam R, ARS	
	KMI	Dixon R, CA, USA	
	VIS	Sydney R, NSW, AUS	
	WAH	Saint Thomas R, VIR	
17239.1		coast stations, ch 1603	SSB QX 16466.2 kHz
	HAR	Budapest R, HNG	
	IAR	Rome R, I	
	KMI	Dixon R, CA, USA	
	LFN 3	Rogaland R, NOR	
	OXZ	Lyngby R, DNK	
	SAB	Goeteborg R, S	
	S3D	Chittagong R, BGD	
	WAH	Saint Thomas R, VIR	
	XSQ	Guangzhou R, CHN	
	SBA 62	Nicosia R, CYP	
17242.2		coast stations, ch 1604	SSB QX 16469.3 kHz
	FFL 83	Saint Lys R, F	
	JBO	Tokyo R, J	
	LFN 4	Rogaland R, NOR	
	VCS	CCG Halifax, NS, CAN	
	VIP	Perth R, WA, AUS	
	XDA	Mexico City R, MEX	
	XF.	many R stations, MEX	
	XFS 4	PEMEX Tecolutla R, MEX	
	XFS 5	PEMEX Tuxpan R, MEX	
	XFU 2	PEMEX Veracruz R, MEX	
17245.3		coast stations, ch 1605	SSB QX 16472.4 kHz
	DZ.	many R stations, PHL	
	EQA	Abadan R, IRN	
	FJA	Papeete R, Tahiti, OCE	
	FUB	FN Paris, F	
	LFN 5	Rogaland R, NOR	
	OXZ	Lyngby R, DNK	

17245.3	SAG	Goeteborg R, S		
	URD	Leningrad R, RU, URS		
	WOO	Ocean Gate R, NJ, USA		
17248.4		coast stations, ch 1606	SSB	QSX 16475.5 kHz
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	GKT 66	Portishead R, G		
	OHG 2	Helsinki R, FNL		
	PPD	Olinda R, B		
	S3E	Khulna R, BGD		
	TAN 6	Samsun R, TUR		
	TFA	Reykjavik R, ISL		
	UAT	Moscow R, RU, URS		
	ZLW	Wellington R, NZL		
17251.5		coast stations, ch 1607	SSB	QSX 16478.6 kHz
	CFH	CF Halifax, NS, CAN		
	LFN 6	Rogaland R, NOR		
	PJC	Willemstad R, Curacao, ATN		
	SPC 81	Gdynia R, POL		
	SVN 6	Athens R, GRC		
	UFL	Vladivostok R, SE, URS		
	WLO	Mobile R, AL, USA		
	3AC 16	Monte Carlo R, MCO		
17254.6		coast stations, ch 1608	SSB	QSX 16481.7 kHz
	ICB	Genova R, I		
	LFN 7	Rogaland R, NOR		
	OBC 3	Callao R, PRU		
	OMC	Bratislava R, TCH		
	OMK	Komarno R, TCH		
	OMP	Prague R, TCH		
	OXZ	Lyngby R, DNK		
	PZN	Paramaribo R, SUR		
	SAG	Goeteborg R, S		
	TAN	Istanbul R, TUR		
	VAI	CCG Vancouver, BC, CAN		
	XSG	Shanghai R, CHN		
	ZSC 28	Capetown R, AFS		
	ZSV 29	Walvis Bay R, NMB		
17257.7		coast stations, ch 1609	SSB	QSX 16484.8 kHz
	HZG	Dammam R, ARS		
	JBO	Tokyo R, J		
	OSU 64	Oostende R, BEL		
	SVN 6	Athens R, GRC		
	WOM	Pennsuco R, FL, USA		
	4XD	Haifa R, ISR		
17260.8		coast stations, ch 1610	SSB	QSX 16487.9 kHz
	CWF	Punta Carretas R, URG		
	DAP	Norddeich R, D		
	LFN 8	Rogaland R, NOR		
	PKX	Jakarta R, INS		
	SUH	Alexandria R, EGY		
	VIS	Sydney R, NSW, AUS		
	WOM	Pennsuco R, FL, USA		
	XSV	Tianjin R, CHN		
17263.9		coast stations, ch 1611	SSB	QSX 16491.0 kHz
	GBU 61	Portishead R, G		
	GYU	RN Gibraltar, GIB		
	HEB 17	Berne R, SUI		
	OHG 2	Helsinki R, FNL		
	PPR	Rio de Janeiro R, B		
	TAM 5	Mersin R, TUR		
	WOM	Pennsuco R, FL, USA		

17263.9	YUR	Rijeka R, YUG		
	5AT	Tripoli R, LBY		
	9MG 38	Georgetown R, Pin. 1., MLA		
17267.0		coast stations, ch 1612	SSB	QSX 16494.1 kHz
	ASK	Karachi R, PAK		
	UDK 2	Murmansk R, RU, URS		
	UKX	Nakhodka R, SE, URS		
17270.1		coast stations, ch 1613	SSB	QSX 16497.2 kHz
	LFN 9	Rogaland R, NOR		
	OSU 63	Oostende R, BEL		
	PPR	Rio de Janeiro R, B		
	UKK 3	Nakhodka R, SE, URS		
	4XO	Haifa R, ISR		
	9VG 68	Singapore R, SNG		
17273.2		coast stations, ch 1614	SSB	QSX 16500.3 kHz
	ICB	Genova R, I		
	LFN 20	Rogaland R, NOR		
	OHG 2	Helsinki R, FNL		
	OXZ	Lyngby R, DNK		
	9AG	Goeteborg R, S		
	XDA	Mexico City R, MEX		
	XFC	Cozumel R, MEX		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFU 2	PEMEX Veracruz R, MEX		
	XSQ	Guangzhou R, CHN		
17276.3		coast stations, ch 1615	SSB	QSX 16503.4 kHz
	CUL	Lisbon R, POR		
	D3E	Luanda R, AGL		
	8KU 65	Portishead R, G		
	HEB 27	Berne R, SUI		
	HKB	Barranquilla R, CLM		
	HKC	Buenaventura R, CLM		
	HPP 20	Panama R, PNR		
	J5M	Bissau R, GNB		
	OHG 2	Helsinki R, FNL		
	PKT	Dili R, INS		
	TFA	Reykjavik R, ISL		
	UBE 2	Petropavl.-Km. R, FE, URS		
17279.4		coast stations, ch 1616	SSB	QSX 16506.5 kHz
	DAJ	Norddeich R, D		
	EQI	Abbas R, IRN		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	98A	Takoradi R, BHA		
17282.5		coast stations, ch 1617	SSB	QSX 16509.6 kHz
	FUB	FN Paris, F		
	HAR	Budapest R, HNG		
	LFN 21	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PPJ	Juncao R, B		
	9AG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	XFN	Progreso R, MEX		
	4XO	Haifa R, ISR		
17285.6		coast stations, ch 1618	SSB	QSX 16512.7 kHz
	A9M	Hamala R, BHR		
	EQZ	IORC Abadan R, IRN		
	8KU 68	Portishead R, G		
	LFN 22	Rogaland R, NOR		
	LPL	General Pacheco R, ARG		
	OXZ	Lyngby R, DNK		
	9AG	Goeteborg R, S		

17285.6	S9M	Sao Tome R, STP		
	TAN 2	Izmir R, TUR		
	VRT	Hamilton R, BER		
	YUS	Split R, YUG		
17288.7		coast stations, ch 1619	SSB	QX 16515.8 kHz
	FFL 84	Saint Lys R, F		
	LFN 23	Rogaland R, NOR		
	QBF 4	Mollendo R, PRU		
	UFH	Petropavl.-Km. R, FE, URS		
	Y5M	Rügen R, DDR		
	3BB	Port Louis Harbour R, MAU		
	9KK 21	Safat R, KWT		
17291.8		coast stations, ch 1620	SSB	QX 16518.9 kHz
	LFN 24	Rogaland R, NOR		
	TAM 6	Antalya R, TUR		
	WFN	Jeffersonville R, IN, USA		
	W6K	Saint Louis R, MO, USA		
	W00	Ocean Gate R, NJ, USA		
	5AB	Benghazi R, LBY		
17294.9		coast stations, ch 1621	SSB	QX 16522.0 kHz
		(worldwide calling frequency)		
17298.0		coast stations, ch 1622	SSB	QX 16525.1 kHz
	HEB 47	Berne R, SUI		
	HPP 20	Panama R, PNR		
	LFN 25	Rogaland R, NOR		
	QXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3D	Chittagong R, BGD		
	9BX	Tema R, GHA		
	9KK 22	Safat R, KWT		
17301.1		coast stations, ch 1623	SSB	QX 16528.2 kHz
	D4D	Praia R, Santiago, CPV		
	GKV 63	Portishead R, G-		
	OHG 2	Helsinki R, FIN		
	PCG 63	Scheveningen R, HOL		
	UFB	Odessa R, UK, URS		
	UJQ	Kiyev R, UK, URS		
	XSG	Shanghai R, CHN		
	ZPD	Asuncion R, PRG		
17304.2		coast stations, ch 1624	SSB	QX 16531.3 kHz
	DAK	Norddeich R, D		
	IAR	Rome R, I		
	KMI	Dixon R, CA, USA		
	S3E	Khulna R, BGD		
	UQK	Riga R, LA, URS		
	5WA	Apia R, SMO		
17307.3		coast stations, ch 1625	SSB	QX 16534.4 kHz
	EQK	Khoramshahr R, IRN		
	NMO	USCG Honolulu, HWA		
	OSU 61	Oostende R, BEL		
	SPO 81	Szczecin R, POL		
	SVN 6	Athens R, GRC		
	TFA	Reykjavik R, ISL		
	5OW	Lagos R, NIG		
17310.4		coast stations, ch 1626	SSB	QX 16537.5 kHz
	A7D	Doha R, QAT		
	CKN	CF Vancouver, BC, CAN		
	CLA 72	Habana R, CUB		
	SVN 6	Athens R, GRC		
	UQB	Kholmok R, FE, URS		
	UXN	Arkhangelsk R, RU, URS		
	VPS	Victoria Island R, HKG		

17310.4	WOO	Ocean Gate R, NJ, USA		
17313.5		coast stations, ch 1627	SSB	Qsx 16540.6 kHz
	HAR	Budapest R, HNG		
	LFN 26	Rogaland R, NOR		
	OBQ 5	Iquitos R, PRU		
	OSU 62	Oostende R, BEL		
	SVN 6	Athens R, GRC		
	URB 2	Klaipeda R, LI, URS		
	YUR	Rijeka R, YUG		
	YVG	La Guayra R, VEN		
17316.6		coast stations, ch 1628	SSB	Qsx 16543.7 kHz
	CLA 75	Habana R, CUB		
	FFL 81	Saint Lys R, F		
	S3D	Chittagong R, BGD		
	UFM 3	Nevelsk R, FE, URS		
	UGH 2	Juzno R, FE, URS		
	4XO	Haifa R, ISR		
17319.7		coast stations, ch 1629	SSB	Qsx 16546.8 kHz
	EQM	Bushire R, IRN		
	LFN 27	Rogaland R, NOR		
	SVN 6	Athens R, GRC		
	Y5M	Rügen R, DDR		
	6VA	Dakar R, SEN		
	7TA 28	El Djaza'ir R, ALG		
17322.8		coast stations, ch 1630	SSB	Qsx 16549.9 kHz
	EHY	Pozuelo del Rey R, E		
	OSU 67	Oostende R, BEL		
	TFA	Reykjavik R, ISL		
	UDH	Riga R, LA, URS		
	UHK	Batumi R, GE, URS		
17325.9		coast stations, ch 1631	SSB	Qsx 16553.0 kHz
	CBV	DGTMM Valparaíso R, CHL		
	HEB 37	Berne R, SUI		
	SPC 82	Gdynia R, POL		
	WOO	Ocean Gate R, NJ, USA		
	XSU	Yantai R, CHN		
	7TA 29	El Djaza'ir R, ALG		
17329.0		coast stations, ch 1632	SSB	Qsx 16556.1 kHz
	GKW 62	Portishead R, G		
	HAR	Budapest R, HNG		
	JBO	Tokyo R, J		
	S3D	Chittagong R, BGD		
	WLO	Mobile R, AL, USA		
	SBA 64	Nicosia R, CYP		
17332.1		coast stations, ch 1633	SSB	Qsx 16559.2 kHz
	FFL 82	Saint Lys R, F		
	PPL	Belem R, B		
	SPC 83	Gdynia R, POL		
	UON	Baku R, AZ, URS		
	XSV	Tianjin R, CHN		
	Y5M	Rügen R, DDR		
	ZSD 41	Durban R, AFS		
17335.2		coast stations, ch 1634	SSB	Qsx 16562.3 kHz
	DAI	Norddeich R, D		
	EHY	Pozuelo del Rey R, E		
	HLS	Soul R, KOR		
	SVN 6	Athens R, GRC		
	TUA	Abidjan R, CTI		
	VFF	CCG Frobisher B., NWT, CAN		
17338.3		coast stations, ch 1635	SSB	Qsx 16565.4 kHz
	D3E	Luanda R, AGL		
	D4A	Mindelo R, S. Vicente, CPV		

17338.3	J5M	Bissau R, GNB		
	LFN 28	Rogaland R, NOR		
	LZW	Varna R, BUL		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S3E	Khulna R, BGD		
17341.4		coast stations, ch 1636	SSB	QSX 16568.5 kHz
	OHG 2	Helsinki R, FIN		
	PCG 61	Scheveningen R, HOL		
	7TA 30	El Djaza'ir R, ALG		
17344.5		coast stations, ch 1637	SSB	QSX 16571.6 kHz
	EHY	Pozuelo del Rey R, E		
	GWK 67	Portishead R, G		
	HLG	Soul R, KOR		
	VPS	Victoria Island R, HKG		
	5RS	Toamasina R, MDG		
17347.6		coast stations, ch 1638	SSB	QSX 16574.7 kHz
	CNP	Casablanca R, MRC		
	KUQ	Pago Pago R, SMA		
	OHG 2	Helsinki R, FIN		
	SPO 82	Szczecin R, POL		
	S9M	Sao Tome R, STP		
	YUW	Bar R, YUG		
17350.7		coast stations, ch 1639	SSB	QSX 16577.8 kHz
	DAH	Norddeich R, D		
	EHY	Pozuelo del Rey R, E		
	PCG 62	Scheveningen R, HOL		
	ZAD	Durres R, ALB		
	9PA	Banana R, ZAI		
17353.8		coast stations, ch 1640	SSB	QSX 16580.9 kHz
	CBV	DGTMMM Valparaiso R, CHL		
	GWK 60	Portishead R, G		
	SVN 6	Athens R, GRC		
	Y5M	Rügen R, DDR		
	5OW	Lagos R, NIG		
	8PO	Bridgetown R, BRB		
17356.9		coast stations, ch 1641	SSB	QSX 16584.0 kHz
	LFN 29	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	UBN	Zhdanov R, UK, URS		
	WLO	Mobile R, AL, USA		
	4PB	Colombo R, SLK		
	7TA 31	El Djaza'ir R, ALG		
	9VG 69	Singapore R, SNG		
17363.0	5YE	Nairobi Meteo, KEN		75 Bd: 24 h ry or wx CW
17367.0	5YE	Nairobi Meteo, KEN		FAX // 6956.0 kHz \$
17370.0	RBI 73	TASS Moscow, RU, URS		0600 A nx
17373.0	5YE	Nairobi Meteo, KEN		(sp 17363.0 kHz)
17375.2	URD	Leningrad R, RU, URS		(hx 8687.6 kHz)
17377.0	5YE	Nairobi Meteo, KEN		(sp 17367.0 kHz)
	'RFTJ'	FF Dakar, SEN		ARQ 96 Bd: B: 1635 msg to 'RFFA' (DRI)
17380.0	FUM	FN Papeete, Tahiti, OCE		CW
17385.0	5BC 84	CTA Nicosia, CYP		SSB QSX 16512.0/22034.0 kHz
17390.0	3VA 74	TAP Tunis, TUN		1400+1500 F nx
17393.0		GDR E Harare, ZWE		0620 ry, tfc to Berlin
17397.0	HMY 47	PTT Pyongyang, KRE		0834+1259 ry
17400.0	5ST 83	Antananarivo Meteo, MDG		1330+1530 wx
17403.0	BAL 32	PTT Beijing, CHN		1258+1350 ry
17404.0	KKN 44	USE Monrovia, LBR		CW

17408.6 WWD San Diego R, CA, USA FAX // 8644.1 kHz \$

17410.0 - 17550.0 FIXED

17413.3	GHH	Jamestown Meteo, SHN	1424 wx
17414.9	OFJ	Helsinki R, FNL	CW
17422.3		Spanish E Nouakchott, MTN	SITOR-A: 1210 clg + tfc to Madrid
17428.0	Y7K 35	MFA Berlin, DDR	0625+1256 ry or tfc
17430.0	9VF 209	JIII Singapore, SNG	1330 E nx
17443.0	BZG 48	XINHUA Beijing, CHN	0700+0800+0900+1000+1100 F nx
17462.7	'RFFUAJ'	FF Villacoublay, F	SITOR-A: 1357+1432+1503 msg
17468.0	GYU	RN Gibraltar, GIB	COMB
17470.0	BZS 28	XINHUA Beijing, CHN	0800+0900+1000+1100 E nx
17472.3	3ZB 201	EI Warsaw, POL	1330 clg 3ZL 301
17473.0	IRP 34	ANSA Rome, I	0645 E nx
17480.0	4GQ 74	DW Trincomalee, SLK	0745 s. on with ry
17487.4	D6B 80	PTT Moroni, COM	SSB
17492.0	D6B 80	PTT Moroni, COM	VFT: ARQ 96 Bd: A: 1322 msg
	SOR 249	PAP Warsaw, POL	B: 1245 msg
17496.8	D6B 80	PTT Moroni, COM	0845 R nx wca
17500.0	D6B 80	PTT Moroni, COM	SSB
17510.0	OXT	Copenhagen Meteo, DNK	SSB
	RFD 53	TASS Moscow, RU, URS	FAX // 5850.0 kHz \$
17520.0	HSW 61	Bangkok Meteo, THA	0700-1645 F nx
	REM 55	APN Moscow, RU, URS	FAX // 6765.0 kHz \$
			75 Bd: 0700+0900 E nx
17521.0	HSW 61	Bangkok Meteo, THA	100 Bd: 0600 R nx wtsca, 0800
17525.0	OLV 3	CETEKKA Prague, TCH	E nx
17535.0	MKD	RAF Akrotiri, CYP	1244+1304 wx
			0915 E nx
17548.6	9HA	Luqa Air, MLT	VFT: 0734-1912 ryi
			COMB
			1017+1340+1522 ry

17550.0 - 17900.0 BROADCASTING

17550.0		APN Moscow, RU, URS	100 Bd: 1100 A nx
17551.5	LQC 28	Buenos Aires TS, ARG	CW
17552.0	KWL 90	USE Manila, PHL	CW
	9DM 27	Tehran Meteo, IRN	0542-1853 ry or wx
17570.0	RBX 42	TASS Moscow, RU, URS	0700-1645 F nx
17585.0	ADK	SN/USN Rota, E	FAX // 4053.5 kHz \$
17586.0	MKK	RAF London, G	VFT: 1309 ryi
17590.0	HZN 49	Jeddah Meteo, ARS	100 Bd: 24 h ry or wx
17600.0	RIJ 71	TASS Moscow, RU, URS	1200 P nx
17623.0	9KT 344	KUNA Safat, KWT	1000-1900 E nx
17627.0	9KT 344	KUNA Safat, KWT	0700-2000 A nx
17630.0		Kol Israel feeder, ISR	SSB
17634.0	SUU	Cairo Meteo, EGY	0841+1512 wx
17653.0	'RFFA'	MOD Paris, F	ARQ 96 Bd: A: 0839 msg to
			'RFVI' (IND)
17658.0	5YE	Nairobi Meteo, KEN	0651-1558 wx
17662.0	5YE	Nairobi Meteo, KEN	FAX // 6956.0 kHz \$
17672.0	LQZ 67	AP Buenos Aires, ARG	FAX // 6874.0 kHz

17900.0 - 17970.0 AERONAUTICAL MOBILE (R)

17901.0 AMS = 12 SSB

17904.0	AMS = CEP CWP NP SP, 4	SSB
17907.0	AMS = CAR EA SAM SEA	SSB
17910.0	AMS = 10	SSB
17913.0	AMS = 6G 13	SSB
17916.0	AMS = W I/III	SSB
17919.0	AMS = W II/IV	SSB
17922.0	AMS = W I/III	SSB
17925.0	AMS = W II/V	SSB
17928.0	AMS = W III/IV	SSB
17931.0	AMS = W I/V	SSB
17934.0	AMS = W II/III	SSB
17937.0	AMS = W IV/V	SSB
17940.0	AMS = W II/III	SSB
17943.0	AMS = 6	SSB
17946.0	AMS = NAT, 14	SSB
17949.0	AMS = 5	SSB
17952.0	AMS = 3	SSB
17955.0	AMS = SAT, 6B	SSB
17958.0	AMS = NCA	SSB
17961.0	AMS = AFI EUR INO MID	SSB
17964.0	AMS = 2 11B	SSB
17967.0	AMS = 5 13A 13B 13E 13F	SSB

17970.0 - 18030.0

AERONAUTICAL MOBILE (OR)

17975.0		INTERFLUG Berlin, DDR	SSB
18018.0	GFW	RAF Akrotiri, CYP	SSB
18023.0	HEE 81	Berne Air, SUI	SSB

18030.0 - 18052.0

FIXED

18030.0	CLP 1	MFA Habana, CUB	1506 msgs (5fgs)
18040.0	TCY 4	AA Ankara, TUR	0800+0900+1000 E nx, 1100+ 1200+1345-1600 Turkish nx

18052.0 - 18068.0

FIXED + Space Research

18060.0	AXI 36	Darwin Meteo, NT, AUS	FAX // 5755.0 kHz \$
18063.5		MFA Jakarta, INS	CW

18068.0 - 18168.0

AMATEUR + AMATEUR-SATELLITE

18093.0	LRO 84	Buenos Aires Met., ARG	FAX // 5185.0 kHz \$
18103.0	SUU	Cairo Meteo, EGY	0612-1730 ry or wx
18116.0	CUF 55	FMC Pta. Delgada, FL., AZR	SSB
18119.0		MFA Dakar, SEN	CW
18120.0	MKK	RAF London, G	VFT: 1128+1403 ryi COMB
18130.0	JMJ 5	Tokyo Meteo, J	FAX // 3365.0 kHz \$
18143.5	CCM	CN Magallanes, CHL	1503 ry
18145.0	7RQ 20	MFA El Djaza'ir, ALG	CW
18165.5	STK	Khartoum Air, SDN	24 h ry or msgs (SMA)

18168.0 - 18780.0

FIXED

18187.0	SDR 7	STA Stockholm, S	CW
18190.0	ATV 68	Delhi Meteo, IND	FAX 120/576: 0736 chart

18195.0	RCI 73	R Moscow feeder, RU, URS	SSB
18200.0		Rost.-na-D. M., UK, URS	(hx 9100.0 kHz)
18205.0	'MAL'	Spanish E Malabo, GNE	1633 encrypted msgs to Madrid
18212.0	9XK 79	DW Kigali, RRR	0843-1042 msgs to Cologne
18215.0		VoA Greenville, NC, USA	75 Bd: 1600+1700+2200 E nx
18220.0	JMH 5	Tokyo Meteo, J	FAX // 3622.5 kHz \$
18220.9	CNM 76X9	MAP Rabat, MRC	1000-1130 F nx, 1200-1400 E nx, 1530-1700 F nx
18230.0	GFL 25	Bracknell Meteo, G	0605-1815 ry or wx
18233.0	ATQ 38	Delhi Meteo, IND	FAX // 4993.5 kHz \$
18237.0	BAF 33	Beijing Meteo, CHN	FAX // 5527.0 kHz \$
18237.2		MFA Hanoi, VTN	ARG 192 Bd: B: 1210 msg (5lgs) C: 1115 msg
18238.0	ZRD 4	Pretoria Meteo, AFS	FAX // 4014.0 kHz \$
18241.8	ZRD 4	Pretoria Meteo, AFS	75 Bd: 0445-1926 wx
18245.0	GXH	RN/USN Thurso, G	FAX // 3357.0 kHz \$
18245.5		APN Moscow, RU, URS	75 Bd: 0800+0900 F nx, 1000+ 1100 E nx, 1200 R nx wtsca
18255.0	ATB 68	MEA Delhi, IND	0830+0900+1200+1300+1400 E nx
18261.0	GFE 24	Bracknell Meteo, G	FAX // 2618.5 kHz \$
18264.0	XVN 48	VNA Hanoi, VTN	0500 F nx, 0700 E nx
18265.8		VoA Kavalla, GRC	VFT: 75 Bd: 1315 clg Greenville, 1323+1333 tfc + msgs to Green- ville (hx 9133.0 kHz) // 18265.8 kHz
18266.0	ZAA 6	ATA Tirana, ALB	1000-1900 E nx
18267.2		VoA Kavalla, GRC	0700-2000 A nx
18278.0	9KT 351	KUNA Safat, KWT	1000-1900 E nx
18282.0	9KT 351	KUNA Safat, KWT	0700-2000 A nx
18293.0	9KT 352	KUNA Safat, KWT	1000-1900 E nx
18295.0	SDU 9	STA Stockholm, S	ARG 96 Bd: A: 0723+0829+1430 to Ho Chi Minh Ville B: 0725+0955 to Ho Chi Minh Ville (SHC)
18297.0	9KT 352	KUNA Safat, KWT	0700-2000 A nx
18307.0	9KT 349	KUNA Safat, KWT	1000-1900 E nx
18310.0	RDT 57	APN Moscow, RU, URS	100 Bd: 1000+1100+1200+1300+ 1400 P nx
18311.0	9KT 349	KUNA Safat, KWT	0700-2000 A nx
18318.0		Czech E Kabul, AFG	75 Bd: 1105 msgs to DMZ
18320.4		Czech E Pyongyang, KRE	75 Bd: 0728 msgs to DMZ
18330.8		KUP Jamba, AGL	100 Bd: 1200 F nx
18351.0	KWS 78	USE Athens, GRC	CW
18354.0	9MY 63	Kuala Lumpur Meteo, MLA	0930+1330+1530 ry, wx
18363.5	9PL	Kinshasa Air, ZAI	0625-1711 msgs (ZSA)
18380.0	TUW	INTERPOL Abidjan, CTI	SITOR-A: 1225 msgs to FSB
18385.0	RRQ 20	TASS Moscow, RU, URS	0500+0600+0700+0800+1000+1100+ 1200+1300 E nx
18410.0	GXQ	BA London, G	VFT: 1012+1136 ryi COMB
18433.0	LRO 83	REUTER Bs. Aires, ARG	FAX // 13753.5 kHz
18440.0	RIF 32	APN Moscow, RU, URS	100 Bd: 0700+0800 F nx
18455.0	RWN 71	APN Moscow, RU, URS	75 Bd: 0600+0700+0800 F nx, 1200 P nx
18461.7	PCW 1	MFA Den Haag, HOL	100 Bd: 1000+1100+1300+1400 P nx CW
18470.0	CLP ..	Cuban E Hanoi, VTN	0942 msgs
18472.0	CLP 1	MFA Habana, CUB	0735 msgs (5fgs)
18491.5		Indonesian E Delhi, IND	SITOR-A: 1327+1510 msgs or msg (5lgs) to Jakarta, QSX 19117.5 kHz
18496.1	CNM 80X11	MAP Rabat, MRC	0900-1030 A nx, 1200-1400 E nx, 1530-1700 A nx

18502.0	'RFFA'	MOD Paris, F	ARQ 96 Bd: A: 1348 msgs to 'RFLI' (LFB)
18514.8	SLA 28	VoA Monrovia, LBR	VFT: 75 Bd: 1244 clg + tfc to Greenville
18515.0	FTS 51	DGT Paris, F	SSB
18516.2	SLA 28	VoA Monrovia, LBR	// 18514.8 kHz
18525.0	KKN 50	MFA Washington, DC, USA	CW
18535.0	MKD	RAF Akrotiri, CYP	VFT: 1119+1218+1410+1659 ryi
18542.5	WFK 48	USIA New York, NY, USA	COMB
18543.5	STK	Khartoum Air, SDN	75 Bd: 1600+1700 E nx
18547.0	YBI 3	DP Berlin, DDR	0831-1903 ry or msgs
18550.0	NBA	USN Balboa, PNR	0735-1442 ry
18560.0	EPJ	IRNA Tehran, IRN	75 Bd: 1537 tfc to CCF
18600.0	RWN 72	PL Moscow, RU, URS	1000-1100 E nx, 1100-1230 A nx
18602.9		VoA Greenville, NC, USA	0700+0800 E nx, 0900+1000+1100+1200+1300+1400 P nx
18622.0	NPN	USN Apra Harbour, GUM	VFT: 1320 cig Kavalla, 1350 msg
18639.0	YAK	PTT Kabul, AFG	FAX // 3379.5 kHz \$
18640.5	9KT 356	KUNA Safat, KWT	SSB
18644.5	9KT 356	KUNA Safat, KWT	1000-1900 E nx
18648.5	SOT 265B	PAP Warsaw, POL	0700-2000 A nx
18650.0	SOT 265	PAP Warsaw, POL	SITOR-B: 1800 Polish nx
18651.5	SOT 265A	PAP Warsaw, POL	1700 F nx
18697.5	DFS 70L3	DPA Hamburg, D	1800 Polish nx
18700.6	DFS 70	DPA Hamburg, D	0900+1000+1100+1300+1400+1500+1600+1800 E nx
18712.0		Moscow Meteo, RU, URS	0900 E nx
18756.0	JPA 24	INTERPOL Tokyo, J	FAX // 53.6 kHz \$
18760.0	'P6Z'	MFA Paris, F	CW
18763.2	OHU 20	MFA Helsinki, FIN	FEC-A 144 Bd: 1335 tfc
18770.0	OHU 33	Finnish E Singapore, SNG	0853 msgs (5lgs) to OHU 33
18775.0	MKK	RAF London, G	0833 msg to OHU 20
18780.0 - 18900.0		MARITIME MOBILE	VFT: ARQ 96 Bd: A: 0926 Air Afrique data channel to N'dja-mena
18785.0	FTS 78	DIPLO Paris, F	VFT: 0955 ryi
18788.0	STS 50	SUNA Khartoum, SDN	COMB
18808.0	RIW	SN Khiva, UZ, URS	
18860.0	ZAT	ATA Tirana, ALB	
18872.0	BZR 68	XINHUA Beijing, CHN	
18900.0 - 19680.0		FIXED	
18934.0	XVR 94	PTT Ho Chi Minh Ville, VTN	ARQ 96 Bd: B: 1000 to Stockholm (HOB)
18940.0	BDF	Shanghai Meteo, CHN	FAX // 7420.0 kHz
18945.0	SAM ..	Swedish E Harare, ZWE	SSB
18947.0	SAM	MFA Stockholm, S	SITOR-B: 1040 msg
18951.9	SAM ..	Swedish E Harare, ZWE	75 Bd: 1325 msgs + tfc to SAM
18951.9	SAM 79	Swedish E Lusaka, ZMB	75 Bd: 1333 msgs to SAM
18985.0	OLD 2	CETIKA Prague, TCH	0800+0900+1100+1200+1600 E nx, 1700 S nx

18987.7	LHP 2	NTA Oslo, NOR	FAX // 9980.2 kHz
18993.5	SOT 299B	PAP Warsaw, POL	SITOR-B: 1200+1400 Polish nx
	SPW	Warsaw R, POL	SITOR-A: 0951-1708 tts; Q8X
			16698.0 kHz
			CW
19001.7		MFA Cairo, EGY	SITOR-A: 0836+1303+1308 ATU-A
			msg
19002.5		Pakistan E Paris, F	1220 msg
19006.7		MFA Cairo, EGY	SITOR-B: 0749 ATU-A msg
19047.0	'RFFA'	MOD Paris, F	ARQ 96 Bd: A: 1505 msg to
			'RFTJ' (ISB)
19053.0	70B 90	YEMENEL Aden, YMS	ARQ 96 Bd: B: 0950 to Moscow
			(AMB)
19055.0	8WD 3	MFA Delhi, IND	0503 ry
19077.0	BZM 40	XINHUA Beijing, CHN	0500+0700 A nx
19079.8	COP	Iright Klingenfuss, D	COMB
19083.7	TTZ 90	STIT N'djamena, TCD	SSB
19090.0	TTZ 90	STIT N'djamena, TCD	VFT: 1605 tfc, 1628 AFP-msg
19096.0	TTZ 90	STIT N'djamena, TCD	SSB
19100.0	S2M 33	BSS Dhaka, BGD	0600-0700+0900-1000+1100-1200
			E nx
	'RFLI'	FF Fort de France, MRT	ARQ 96 Bd: B: 1532 msg to
			'RFFA' (FDI)
19112.5		MFA Jakarta, INS	0710+0800+1154 msg
19117.5		MFA Jakarta, INS	SITOR-A: 1141+1301 msg to Delhi;
			Q8X 18491.5 kHz
19127.0	RMC 21	APN Moscow, RU, URS	75 Bd: 0600+0700+0800+0900 F nx
19144.0	'RFTJ'	FF Dakar, SEN	ARQ 96 Bd: A: 1245 "contrôle
			de voie" (TJA)
19154.0	EHY 78	PTT Madrid, E	SSB
19178.0	IRR 31	IINA Rome, I	0800-1300 E nx
19200.0		IRNA Tehran, IRN	1000-1100 E nx
19218.0	SAM 59	Swedish E Hanoi, VTN	75 Bd: 0803 msg to SAM
19261.0		VoA Greenvl. fdr., NC, USA	ISB
19275.0	RXD 74	Khab. Meteo, SE, URS	FAX // 4516.7 kHz \$
19280.0	4UV	UNEP Nairobi, KEN	75 Bd: 0709-1612 ry or msg
19313.0	4UF	UNECA Addis Ababa, ETH	75 Bd: 0549-1454 ry or to 4UZ
19360.0	FSB 62	INTERPOL Paris, F	CW
	8UF 75	INTERPOL Delhi, IND	CW
19384.6	'RFQP'	FF Jibuti, DJI	ARQ 96 Bd: A: 1503 encrypted
			tfc after "KKKK..." to 'RFFA'
			(FKOB)
			B: 1457 msg to 'RFFA' (FKOA)
			0549-1627 ry or tfc
19390.0	Y7A 76	MFA Berlin, DDR	CW
19392.7	Y7F 44	GDR E Damascus, SYR	100 Bd: 1320 msg to Berlin
19400.0	VVD 69	Delhi Meteo, IND	0040-1400 wx
19405.0	AYA	INTERPOL Bs. Aires, ARG	SITOR-A: 1628+1705 msg,
			2135 tfc
	FSB 63	INTERPOL Paris, F	SITOR-A: 0647+1435 msg
		INTERPOL Bogota, CLM	SITOR-A: 1137 msg
19410.3	CLP 1	MFA Habana, CUB	1632 msg (5fgs)
19430.0	MKD	RAF Akrotiri, CYP	VFT: 1133+1258+1317+1545 ryi
			COMB
19434.6	9RE 395	PTT Lubumbashi, ZAI	ARQ 96 Bd: A: 0809 to ORI 49
			B: 0617-0811+1505-1630 to ORI 49
19435.7	9RE 395	PTT Lubumbashi, ZAI	SSB
19442.0	9RE 395	PTT Lubumbashi, ZAI	SSB
19443.0	Y7A 77	MFA Berlin, DDR	0642-1125 ry or tfc
19449.0	VTK	IN Tuticorin, IND	CW
19450.5	VTP 80	IN Vishakhapatnam, IND	CW
19475.2	IRR 24	ITALCABLE Rome, I	SSB

19480.0		VoA Greenvl. fdr., NC, USA	SSB
19505.0	RCD 36	PL Moscow, RU, URS	0700+0800 E nx, 0900+1000 P nx, 1100 F nx, 1200+1300+1400 P nx
19529.0	JMG 5	Tokyo Meteo, J	0354-1240 wx
19553.7		Egyptian E Conakry, GUI	SITOR-A: 1130 ATU-A msgs to Cairo
19576.0	ORI 49	RTT Brussels, BEL	ARQ 96 Bd: B: 0638+1113+1626 to 9RE 395
19577.5	ORI 49	RTT Brussels, BEL	SSB
19583.7	ORI 49	RTT Brussels, BEL	SSB
19671.5		MFA Rome, I	SITOR-A: 0940 msg (5lgs) + tfc
19677.5	70B 93	YEMENTEL Aden, YMS	SSB
19679.5	70B 93	YEMENTEL Aden, YMS	ARQ 96 Bd: B: 1121 test

19680.0 - 19800.0

MARITIME MOBILE

19680.0	3MA 23	CNA Taipei, TAI	FAX // 5117.0 kHz
19690.0	AXM 37	Canberra M., ACT, AUS	FAX // 5100.0 kHz \$
19693.0	FTT 69	DGT Paris, F	SSB
19696.3	FTT 69	DGT Paris, F	SSB
19699.8	Y7A 78	MFA Berlin, DDR	CW
19734.0	4UA	UNO Rawalpindi, PAK	75 Bd: 0436-1422 ry or msgs
19742.5	CLP 3	Cuban E Beirut, LBN	0725 ry
19792.5		VoA La Union, Poro Island, PHL	75 Bd: 0400+0600+0800+0900 E nx, 1000+1100 F nx

19800.0 - 19990.0

FIXED

19855.5	FTT 85	DGT Paris, F	SSB
19865.5	YZJ 4	TANJUG Belgrade, YUG	1400+1500 S nx
19870.0	4UA	UNO Rawalpindi, PAK	75 Bd: 1213 msgs
19914.9		VoA Tanger, MRC	75 Bd: 0700+1000+1100 E nx
19958.5	9HA	Luqa Air, MLT	0950 ry
19980.0	EPJ 2	IRNA Tehran, IRN	1000-1100 E nx, 1100-1200 A nx

19990.0 - 19995.0

STANDARD FREQUENCY AND TIME SIGNAL + Space Research

19993.0	worldwide	MSV SAR operations frequency	SSB
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19995.0 - 20010.0

STANDARD FREQUENCY AND TIME SIGNAL

20000.0	WWV	Fort Collins TS, CO, USA	COMB
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20010.0 - 21000.0

FIXED + Mobile

20015.0	NAM	USN Norfolk, VA, USA	FAX // 3357.0 kHz \$
20015.1	HGX 21	MFA Budapest, HNG	0633 clg HGX 48
20020.0	Y7A 80	MFA Berlin, DDR	1144-1723 ry or tfc
20060.8	DFU 26	PIAB Bonn, D	FEC-A 96 Bd: 0900 G nx
20078.0	FTU 8B	DIPLD Paris, F	0100+0900+1000+1100+1200+1300+1400+1600+1800 F nx
20085.0	ISX 20	ANSA Rome, I	0800 E nx, 0900+1400 F nx, 1500 E nx, 1600 F nx
20116.0	FJY 2	DGT Pt.-aux-Franc., KER	0845 ry, to Paris
20125.0	MKD	RAF Akrotiri, CYP	VFT: 1147 tfc to GEP, 1525 ryi
20148.0	EBA	SN Madrid, E	75 Bd: 1830 clg LOL

20149.0	7RQ 20	MFA El Djaza'ir, ALG	CW
20160.5	AJK	USAF Ramstein, D	COMB
20178.0	'RFFA'	MOD Paris, F	ARQ 96 Bd: B: 1157 "controle de voie" to 'RFVI' (IRE)
20187.0	IRS 41	IINA Rome, I	1200-1400 A nx
20204.0	YZJ	TANJUG Belgrade, YUG	1200 F nx, 1300 E nx
20222.0	ZEN 96	REUTER Victoria I., HKG	FAX // 4474.0 kHz
20270.0	FUG	FN La Regine, F	75 Bd: 0759 clg FAAD
20290.0	MKD	RAF Akrotiri, CYP	VFT: 0742+0954+1521 ryi
20302.0	NKW	USN Diego Garcia, BIO	COMB
20315.0	FTU 31	DIPLO Paris, F	FAX // 3379.5 kHz \$
20327.5	6VK 221	PANA Dakar, SEN	0900+1000+1100 F nx
20341.0	D6B 403	PTT Moroni, COM	1500 E nx
20344.4	D6B 403	PTT Moroni, COM	SSB
20350.0	NBA	USN Balboa, PNR	SSB
20425.0	MKD	RAF Akrotiri, CYP	75 Bd: 1225-2007 ry
20430.0	IRS 24	ANSA Rome, I	VFT: 1820 ryi
20440.0	RDW 76	Khab. Meteo, SE, URS	0800 E nx, 0900 F nx, 1000+
20470.0	NGR	USN Kato Soli, GRC	1100+1200+1500 E nx, 1600 F nx
20471.5	CXR	UN Montevideo, URG	(hx 10220.0 kHz)
20624.6		Polish E	FAX // 4053.5 kHz \$
20632.0	'RFVI'	Addis Ababa, ETH	75 Bd: 1258-2314 ry or to HDN
20720.0	PPX	FF Le Port, REU	or NBA or OBC or SKM
20736.0	LSA 600		75 Bd: 1023 tfc + msgs to
20754.4	TTR 88	EMBRATEL Rio de Janeiro, B	SNN 299
20789.1	COP 74	AP Buenos Aires, ARG	ARQ 96 Bd: B: 1005 msg to
20811.1	'YRI'	ICRC N'djamena, TCD	'RFFA' (DNI)
20818.0	D6B 408	Klingenfuss Pub, FRG	SSB
20823.7	D6B 408	Ght F R Germany	FAX // 6874.0 kHz
20840.0	Y7A 82	PTT Moroni, COM	SITOR-A: 1440 tfc
20854.0	FTU 86	PTT Moroni, COM	VFT: 1987 lications
20855.0	'RFQP'	MFA Berlin, DDR	7400 Tuebingen
20863.0	FDY	DGT Paris, F	SSB
20863.2	FTU 86	FF Jibuti, DJI	VFT: ARQ 96 Bd: A: 1426 to Paris
20870.0	ZAY	FAF Orleans, F	SSB
20910.0	9VF 232	DGT Paris, F	0634-1434 ry or tfc
20933.5	SOV 293B	ATA Tirana, ALB	SSB
20936.5	SOV 293A	ANSA Singapore, SNG	ARQ 96 Bd: B: 1400+1800 "cont-
20960.0	9VF 233	PAP Warsaw, POL	role de voie" to 'RFTJ' (FKO)
20992.0	'C'	KYODO Singapore, SNG	0857 ry
20993.0	'D'	Beacon Moscow, RU, URS	SSB
20997.0		Beacon Odessa, UK, URS	(hx 10435.0 kHz)
		many USN MARS stations	0645 E nx
			SITOR-B: 1200 Polish nx
			1200 Polish nx
			0430-0640+1000-1100 E nx
			CW
			CW
			SSB

21000.0 - 21450.0 AMATEUR + AMATEUR-SATELLITE

21450.0 - 21850.0 BROADCASTING

21770.0	LRO 89	REUTER Bs. Aires, ARG	FAX // 13753.5 kHz
21807.5	YOV 28	AGERPRES Bucharest, ROU	0700 E nx
21837.0	NPM	USN Pearl Harbour, HWA	FAX // 2122.0 kHz \$

21850.0 - 21870.0**FIXED**

21855.0	Benin E London, G	CW/SSB
21855.2	Benin E Moscow, RU, URS	1102 msgs to Cotonou SSB

21870.0 - 21924.0**AERONAUTICAL FIXED****21924.0 - 22000.0****AERONAUTICAL MOBILE (R)**

21940.0	AMS = W I	SSB
21943.0	AMS = W V	SSB
21946.0	AMS = W I	SSB
21949.0	AMS = W III	SSB
21952.0	AMS = W I	SSB
21955.0	AMS = W IV	SSB
21958.0	AMS = W I	SSB
21960.0	RDD 79 Moscow Meteo, RU, URS	(hx 10980.0 kHz)
21961.0	AMS = W V	SSB
21964.0	AMS = W II	SSB
21967.0	AMS = W I	SSB
21970.0	AMS = W III	SSB
21973.0	AMS = W I	SSB
21976.0	AMS = W IV	SSB
21979.0	AMS = W I	SSB
21982.0	AMS = W V	SSB
21985.0	AMS = W II	SSB
21988.0	AMS = W I	SSB
21991.0	AMS = W IV	SSB
21994.0	AMS = W V	SSB
21997.0	AMS = W I	SSB

22000.0 - 22855.0**MARITIME MOBILE**

22000.0	ship stations, ch 2201	SSB	QXX 22596.0 kHz
22003.1	ship stations, ch 2202	SSB	QXX 22599.1 kHz
22006.2	ship stations, ch 2203	SSB	QXX 22602.2 kHz
22009.3	ship stations, ch 2204	SSB	QXX 22605.3 kHz
22012.4	ship stations, ch 2205	SSB	QXX 22608.4 kHz
22015.5	ship stations, ch 2206	SSB	QXX 22611.5 kHz
22018.6	ship stations, ch 2207	SSB	QXX 22614.6 kHz
22021.7	ship stations, ch 2208	SSB	QXX 22617.7 kHz
22024.8	ship stations, ch 2209	SSB	QXX 22620.8 kHz
22027.9	ship stations, ch 2210	SSB	QXX 22623.9 kHz
22031.0	ship stations, ch 2211	SSB	QXX 22627.0 kHz
22034.1	ship stations, ch 2212	SSB	QXX 22630.1 kHz
22037.2	ship stations, ch 2213	SSB	QXX 22633.2 kHz
22040.3	ship stations, ch 2214	SSB	QXX 22636.3 kHz
22043.4	ship stations, ch 2215	SSB	QXX 22639.4 kHz
22046.5	ship stations, ch 2216	SSB	QXX 22642.5 kHz
22049.6	ship stations, ch 2217	SSB	QXX 22645.6 kHz
22052.7	ship stations, ch 2218	SSB	QXX 22648.7 kHz
22055.8	ship stations, ch 2219	SSB	QXX 22651.8 kHz
22058.9	ship stations, ch 2220	SSB	QXX 22654.9 kHz
22062.0	ship stations, ch 2221	SSB	QXX 22658.0 kHz

(worldwide calling frequency)

22065.1		ship stations, ch 2222	SSB	QX 22661.1 kHz
22068.2		ship stations, ch 2223	SSB	QX 22664.2 kHz
22071.0	CCS	CN Santiago, CHL	FAX //	4766.0 kHz \$
22071.3		ship stations, ch 2224	SSB	QX 22667.3 kHz
22074.4		ship stations, ch 2225	SSB	QX 22670.4 kHz
22077.5		ship stations, ch 2226	SSB	QX 22673.5 kHz
22080.6		ship stations, ch 2227	SSB	QX 22676.6 kHz
22083.7		ship stations, ch 2228	SSB	QX 22679.7 kHz
22086.8		ship stations, ch 2229	SSB	QX 22682.8 kHz
22089.9		ship stations, ch 2230	SSB	QX 22685.9 kHz
22093.0		ship stations, ch 2231	SSB	QX 22689.0 kHz
22094.5		Roseau Port R, DMA	SSB	
22096.1		ship stations, ch 2232	SSB	QX 22692.1 kHz
22099.2		ship stations, ch 2233	SSB	QX 22695.2 kHz
22102.3		ship stations, ch 2234	SSB	QX 22698.3 kHz
22105.4		ship stations, ch 2235	SSB	QX 22701.4 kHz
22108.5		ship stations, ch 2236	SSB	QX 22704.5 kHz
22111.6		ship stations, ch 2237	SSB	QX 22707.6 kHz
22114.7		ship stations, ch 2238	SSB	QX 22710.7 kHz
22117.8		ship stations, ch 2239	SSB	QX 22713.8 kHz
22120.9		ship stations, ch 2240	SSB	QX 22716.9 kHz
22124.0	worldwide	coast and ship stations simplex frequency	SSB	
	CBV	DGTM Valparaiso R, CHL		
	CWC 30	UN La Paloma, URG		
	CWC 39	UN Montevideo, URG		
	D3E	Luanda R, AGL		
	HAR 6	Budapest R, HNG		
	OSU 78	Oostende R, BEL		
	PCG 75	Scheveningen R, HOL		
	9MG 40	Georgetown R, Pin. I., MLA		
22127.1	worldwide	coast and ship stations simplex frequency	SSB	
	CWC 30	UN La Paloma, URG		
	CWC 39	UN Montevideo, URG		
	HAR 6	Budapest R, HNG		
	PCG 76	Scheveningen R, HOL		
22130.2	worldwide	coast and ship stations simplex frequency	SSB	
	PCG 77	Scheveningen R, HOL		
22133.3	worldwide	coast and ship stations simplex frequency	SSB	
	PCG 78	Scheveningen R, HOL		
22136.4	worldwide	coast and ship stations simplex frequency	SSB	
	OSU 75	Oostende R, BEL		
	PCG 79	Scheveningen R, HOL		
22192.5		ship stations, series 1	QX	22561.5 kHz
22193.0		ship stations, series 2	QX	22562.0 kHz
22193.5		ship stations, series 3	QX	22562.5 kHz
22194.0		ship stations, series 4	QX	22563.0 kHz
22194.5		ship stations, series 5	QX	22563.5 kHz
22195.0		ship stations, series 6	QX	22564.0 kHz
22195.5		ship stations, series 7	QX	22564.5 kHz
22196.0		ship stations, series 8	QX	22565.0 kHz
22196.5		ship stations, series 9	QX	22565.5 kHz
22197.0		ship stations, series 10	QX	22566.0 kHz
22197.5		ship stations, series 11	QX	22566.5 kHz
22198.0		ship stations, series 12	QX	22567.0 kHz
22198.5		ship stations, series 13	QX	22567.5 kHz
22199.0		ship stations, series 14	QX	22568.0 kHz
22199.5		ship stations, series 15	QX	22568.5 kHz

22200.0	ship stations, series 16	QSOX 22569.0 kHz	
22200.5	ship stations, series 17	QSOX 22569.5 kHz	
22201.0	ship stations, series 18	QSOX 22570.0 kHz	
22201.5	ship stations, series 19	QSOX 22570.5 kHz	
22202.0	ship stations, series 20	QSOX 22571.0 kHz	
22202.5	ship stations, series 21	QSOX 22571.5 kHz	
22203.0	ship stations, series 22	QSOX 22572.0 kHz	
22203.5	ship stations, series 23	QSOX 22572.5 kHz	
22204.0	ship stations, series 24	QSOX 22573.0 kHz	
22204.5	ship stations, series 25	QSOX 22573.5 kHz	
22205.0	ship stations, series 26	QSOX 22574.0 kHz	
22205.5	ship stations, series 27	QSOX 22574.5 kHz	
22206.0	ship stations, series 28	QSOX 22575.0 kHz	
22206.5	ship stations, series 29	QSOX 22575.5 kHz	
22207.0	ship stations, series 30	QSOX 22576.0 kHz	
22207.5	ship stations, series 31	QSOX 22576.5 kHz	
22208.0	ship stations, series 32	QSOX 22577.0 kHz	
22208.5	ship stations, series 33	QSOX 22577.5 kHz	
22209.0	ship stations, series 34	QSOX 22578.0 kHz	
22209.5	ship stations, series 35	QSOX 22578.5 kHz	
22210.0	ship stations, series 36	QSOX 22579.0 kHz	
22210.5	ship stations, series 37	QSOX 22579.5 kHz	
22211.0	ship stations, series 38	QSOX 22580.0 kHz	
22211.5	ship stations, series 39	QSOX 22580.5 kHz	
22212.0	ship stations, series 40	QSOX 22581.0 kHz	
22212.5	ship stations, series 41	QSOX 22581.5 kHz	
22213.0	ship stations, series 42	QSOX 22582.0 kHz	
22213.5	ship stations, series 43	QSOX 22582.5 kHz	
22214.0	ship stations, series 44	QSOX 22583.0 kHz	
22214.5	ship stations, series 45	QSOX 22583.5 kHz	
22215.0	ship stations, series 46	QSOX 22584.0 kHz	
22215.5	ship stations, series 47	QSOX 22584.5 kHz	
22216.0	ship stations, series 48	QSOX 22585.0 kHz	
22216.5	ship stations, series 49	QSOX 22585.5 kHz	
22217.0	ship stations, series 50	QSOX 22586.0 kHz	
22217.5	ship stations, series 51	QSOX 22586.5 kHz	
22218.0	ship stations, series 52	QSOX 22587.0 kHz	
22218.5	ship stations, series 53	QSOX 22587.5 kHz	
22219.0	ship stations, series 54	QSOX 22588.0 kHz	
22219.5	ship stations, series 55	QSOX 22588.5 kHz	
22220.0	ship stations, series 56	QSOX 22589.0 kHz	
22220.5	ship stations, series 57	QSOX 22589.5 kHz	
22221.0	ship stations, series 58	QSOX 22590.0 kHz	
22221.5	ship stations, series 59	QSOX 22590.5 kHz	
22222.0	ship stations, series 60	QSOX 22591.0 kHz	
22222.5	ship stations, series 61	QSOX 22591.5 kHz	
22223.0	ship stations, series 62	QSOX 22592.0 kHz	
22223.5	ship stations, series 63	QSOX 22592.5 kHz	
22224.0	ship stations, series 64	QSOX 22593.0 kHz	
22224.5	ship stations, series 65	QSOX 22593.5 kHz	
22225.0	ship stations, series 66	QSOX 22594.0 kHz	
22225.5	ship stations, series 67	QSOX 22594.5 kHz	
22226.0	ship stations, non-paired		
	ship stations	QSOX 22387.5 kHz (GKS 7)	
	ship stations	QSOX 22356.8 kHz (SAB 93)	
22226.5	ship stations, non-paired		
	ship stations	QSOX 22469.5 kHz (SAB 94)	
22228.0	ship stations calling, ch 1	CW	
22230.0	ship stations calling, ch 2	CW	
22232.0	ship stations calling, ch 3	CW	
22234.0	ship stations calling, ch 4	CW	
22236.0	ship stations calling, ch 5	CW	

22238.0		ship stations calling, ch 6	CW
22240.0		ship stations calling, ch 7	CW
22242.0		ship stations calling, ch 8	CW
22244.0		ship stations calling, ch 9	CW
22246.0		ship stations calling, ch 10	CW
22248.0	worldwide	ship stations DSC freq.	
22248.5	worldwide	ship stations DSC freq.	
22312.0	A9M	Hamala R, BHR	CW
22312.5	CWA	Cerrito R, URG	CW
	XSG	Shanghai R, CHN	CW
22315.5	VIP 6	Perth R, WA, AUS	CW
22318.5	FFS 9	Saint Lys R, F	CW
	WLO	Mobile R, AL, USA	CW
	XSV	Tianjin R, CHN	CW
22319.5	WLO	Mobile R, AL, USA	CW
22320.0	WLO	Mobile R, AL, USA	CW
22322.0	A9M	Hamala R, BHR	CW
22322.5	UHK	Batumi R, GE, URS	CW
22323.5	DZJ	Bulacan R, PHL	CW
22324.5	PCH 70	Scheveningen R, HOL	CW
22326.0	XSW	Kaohsiung R, TAI	CW
22327.5	SVG 7	Athens R, GRC	CW
22329.5	PW.	many BN stations, B	CW
22330.5	D3E 81	Luanda R, AGL	CW
	PWB	BN Belem, B	CW
	PWF	BN Salvador, B	CW
	PWN	BN Natal, B	CW
22334.5	Y5M	Rügen R, DDR	CW
22335.5	DZI	Bacoar R, PHL	CW
22336.0	TIM	Limon R, CTR	CW
	XSW	Kaohsiung R, TAI	CW
22338.0	KLC	Galveston R, TX, USA	CW
	YIR	Basrah Control R, IRQ	CW
	3SD	Beijing R, CHN	FAX // 8460.0 kHz \$
	5RS	Toamasina R, MDG	CW
22338.2	HZ6	Dammam R, ARS	CW
22340.0	LZL 7	Bourgas R, BUL	CW
22340.3	DAL	Norddeich R, D	CW
22344.0	LZW 7	Varna R, BUL	CW
	S9M	Sao Tome R, STP	CW
22345.4	CLS	Habana F R, CUB	CW
22346.5	LSA 7	Boca R, ARG	CW
	SVI 7	Athens R, GRC	CW
22347.5	ZSC 20	Capetown R, AFS	CW
22348.5	WCC	Chatham R, MA, USA	CW
22349.5	UFN	Novorossiysk R, RU, URS	CW
22350.0	UFL	Vladivostok R, SE, URS	CW
22351.5	DUN	PN Manila, PHL	CW
	OST 72	Oostende R, BEL	CW
	XSQ	Guangzhou R, CHN	CW
22352.5	PPR	Rio de Janeiro R, B	CW
22356.8	SAB 93	Goeteborg R, S	SITOR-A: 1144+1542+1613 tts; Q5X 22226.0 kHz
22357.5	CLA 51	Habana R, CUB	CW
22360.5	CBV	DGTMM Valparaiso R, CHL	CW
22362.5	HEB	Berne R, SUI	CW
22363.0	X56	Shanghai R, CHN	CW
22366.5	J6C	Yokohama R, J	CW
	JNE	Hiroshima R, J	CW
	WCC	Chatham R, MA, USA	CW
22368.0	VAI	CCG Vancouver, BC, CAN	CW
22371.0	URL	Sevastopol' R, UK, URS	1433 R tts wtsca CW

22372.5	IAR 22	Rome R, I	CW
22374.0	LZW 7	Varna R, BUL	CW
22375.0	XVR 24	Rangoon R, BRM	CW
22376.0	IAR 2	Rome R, I	CW
22378.0	IAR 32	Rome R, I	CW
	VTG 9	IN Bombay, IND	CW
22384.0	EDF 6	Aranjuez R, E	CW
22385.0	XDA	Mexico City R, MEX	CW
22386.0	JCT	Choshi R, J	CW
22387.0	VCS	CCG Halifax, NS, CAN	CW
22387.5	GKS 7	Portishead R, G	scheduled; QSX 22226.0 kHz
22388.0	EYE	Nairobi Meteo, KEN	FAX // 6956.0 kHz *
22390.0	FUF	FN Fort de France, MRT	CW
	HAR	Budapest R, HNG	CW
	XSJ	Zhanjiang R, CHN	CW
22393.0	YSM	Rügen R, DDR	CW
22393.2	ZRQ 7	SAN Capetown, AFS	CW
22395.0	HLF	Soul R, KOR	CW
	OBV 2	Paita R, PRU	CW
22396.0	CLA 50	Habana R, CUB	CW
	JOS	Nagasaki R, J	CW
	LFL	Rogaland R, NOR	CW
	OFJ 22	Helsinki R, FIN	CW
22398.0	JNA	Tokyo R, J	CW
22399.0	SPH 9	Gdynia R, POL	CW
22400.0	XDA	Mexico City R, MEX	CW
22401.0	XSG	Shanghai R, CHN	CW
	YSM	Rügen R, DDR	CW
22402.0	DUN	PN Manila, PHL	CW
22403.0	UJY	Kaliningrad R, RU, URS	CW
22404.0	OXZ 92	Lyngby R, DNK	CW
22405.0	PWN	BN Natal, B	CW
22407.0	SPI 9	Gdynia R, POL	CW
	WKM	West Haven R, CT, USA	CW
	ZLP 7	RNZN Waiouru, NZL	CW
22407.3	GKC 7	Portishead R, G	CW
22409.0	JOR	Nagasaki R, J	CW
22410.8	SVB 7	Athens R, GRC	CW
22413.0	SAG 9	Goeteborg R, S	CW
22415.0	DAF	Norddeich R, D	CW
	LZL 7	Bourgas R, BUL	CW
22416.0	ELZ	Cape Palmas R, LBR	CW
22417.0	SVA 7	Athens R, GRC	CW
22418.0	WSC	Tuckerton R, NJ, USA	CW
22419.0	JCS	Choshi R, J	CW
	LPD 91	General Pacheco R, ARG	CW
	OXZ 9	Lyngby R, DNK	CW
22420.0	PPR	Rio de Janeiro R, B	CW
22422.0	YSM	Rügen R, DDR	CW
22425.0	AQP 8	PN Karachi, PAK	CW
	KFS	San Francisco R, CA, USA	CW
	LGG	Rogaland R, NOR	CW
22426.0	DZY 7	Manila R, PHL	CW
22427.0	HZG	Dammam R, ARS	CW
22428.0	CLS	Habana F R, CUB	CW
	9VB 59	Singapore R, SNG	CW
22431.0	PKX	Jakarta R, INS	CW
	WNU	Slidell R, LA, USA	CW
	9PA	Banana R, ZAI	CW
22432.0	GKD 7	Portishead R, G	CW
22435.0	UFL	Vladivostok R, SE, URS	CW
22437.0	YSM	Rügen R, DDR	CW

22438.0	DZW	Manila R, PHL	CW
22438.5	SAB 9	Goeteborg R, S	CW
22440.0	JOU	Nagasaki R, J	CW
22443.0	EQI	Abbas R, IRN	CW
	EQK	Khoramshahr R, IRN	CW
	PMZ	BN Rio de Janeiro, B	CW
	YUR 9	Rijeka R, YUG	CW
22445.0	PMZ	BN Rio de Janeiro, B	CW
22446.0	EAD 6	Aranjuez R, E	CW
22447.0	CBV	DGTMM Valparaiso R, CHL	CW
	FUV	FN Jibuti, DJI	CW
22448.0	YQI 7	Constanta R, ROU	CW
22448.7	GKB 7	Portishead R, G	CW
22452.0	XSQ 7	Guangzhou R, CHN	CW
22454.0	HPP	Panama R, PNR	CW
22454.2	GYC 7	RN London, G	CW
22455.0	UDH	Riga R, LA, URS	CW
	ZSC 40	Capetown R, AFS	CW
22458.0	WNU	Slidell R, LA, USA	CW
22459.0	OXZ 93	Lyngby R, DNK	CW
	XSX	Keelung R, TAI	CW
22460.0	OMP 71	Prague R, TCH	CW
22461.0	FUJ	FN Noumea, NCL	CW
	PW.	many BN stations, B	CW
22463.0	JCU	Choshi R, J	CW
22465.0	QBF 4	Mollendo R, PRU	CW
	XFA	Acapulco R, MEX	CW
	9MG 12	Georgetown R, Pin. I., MLA	CW
22467.0	GKA 7	Portishead R, G	CW
	KLC	Galveston R, TX, USA	CW
22469.5	SAB 94	Goeteborg R, S	scheduled; QSX 22226.5 kHz
22471.0	XDA	Mexico City R, MEX	CW
22471.5	SVD 7	Athens R, GRC	CW
22473.0	CBV	DGTMM Valparaiso R, CHL	CW
	LF6	Rogaland R, NOR	CW
22474.0	VIS 42	Sydney R, NSW, AUS	CW
22476.0	DAM	Norddeich R, D	CW
	NMO	USCG Honolulu, HWA	CW
22477.0	XFU	Veracruz R, MEX	CW
22479.0	CUB	Funchal R, MDR	CW
	CUG	Ponta Delgada R, AZR	CW
	CUL 24	Lisbon R, POR	CW
	KPH	San Francisco R, CA, USA	CW
	9VG 27	Singapore R, SNG	CW
22481.0	Y5M	Rügen R, DDR	CW
22482.0	HL6	Soul R, KOR	CW
22484.0	HZG	Dammam R, ARS	CW
22485.0	VIX 7	RAN Canberra, ACT, AUS	CW
22486.0	LZW 7	Varna R, BUL	CW
	OMP 7	Prague R, TCH	CW
22487.0	XSV	Tianjin R, CHN	CW
22490.0	DZZ	Manila R, PHL	CW
	5RS	Toamasina R, MDG	CW
22491.0	ELC	Monrovia R, LBR	CW
	4XO	Haifa R, ISR	CW
22494.0	GKK 7	Portishead R, G	CW
22495.0	SPA 9	Gdynia R, POL	CW
	VIS 43	Sydney R, NSW, AUS	CW
22497.0	UDK 2	Murmansk R, RU, URS	CW
22499.0	HPP	Panama R, PNR	CW
22500.0	HAR	Budapest R, HNG	CW
	SVF 7	Athens R, GRC	CW

22500.0	JAC 32	Monte Carlo R, MCO	CW	
22503.0	GKG 7	Portishead R, G	CW	
22504.0	9KK 23	Safat R, KWT	CW	
22505.0	SPE 91	Szczecin R, POL	CW	
22509.0	FFL 9	Saint Lys R, F	CW	
22511.0	XFN	Progreso R, MEX	CW	
22512.0	UAT	Moscow R, RU, URS	CW	
22513.5	LPD 28	General Pacheco R, ARG	CW	
22515.0	DAN	Norddeich R, D	CW	
	KFS	San Francisco R, CA, USA	CW	
22516.0	XDA	Mexico City R, MEX	CW	
22518.0	WCC	Chatham R, MA, USA	CW	
22520.0	LZL 7	Bourgas R, BUL	CW	
22521.0	WCC	Chatham R, MA, USA	CW	
22525.0	IRM	CIRM Rome, I	CW	
	XSQ	Guangzhou R, CHN	CW	
22525.5	GKH 7	Portishead R, G	CW	
22525.9	GKN 7	Portishead R, G	CW	
22527.0	GKM 7	Portishead R, G	CW	
	NRV	USCG Apra Harbour, GUM	CW	
22527.9	GKO 7	Portishead R, G	CW	
22528.5	GKI 7	Portishead R, G	CW	
22530.0	PWZ	BN Rio de Janeiro, B	CW	
22533.0	EDZ 7	Aranjuez R, E	CW	
	OST 7	Oostende R, BEL	CW	
	ZLB 7	Awarua R, NZL	CW	
22536.0	VPS 22	Victoria Island R/TS, HKG	CW	
22538.0	DZN	Navotas R, PHL	CW	
22539.0	KLB	Seattle R, WA, USA	CW	
	PCH 71	Scheveningen R, HOL	CW	
22543.0	7TA 12	El Djaza'ir R, ALG	CW	
22545.0	GKJ 7	Portishead R, G	CW	
	YSM	Rügen R, DDR	CW	
22546.0	CBV	DBTHMM Valparaiso R, CHL	CW	
	TIM	Limon R, CTR	CW	
22547.0	LSA	Boca R, ARG	CW	
22550.0	YSM	Rügen R, DDR	CW	
22551.0	SPE 92	Szczecin R, POL	CW	
	VWB	Bombay R, IND	CW	
22555.0	OBQ 5	Iquitos R, PRU	CW	
	UFB	Odessa R, UK, URS	CW	
22555.5	LSA	Boca R, ARG	CW	
22557.0	KPH	San Francisco R, CA, USA	CW	
22560.0	URL	Sevastopol' R, UK, URS	1330 R tts wtsca	
22561.5		coast stations, series 1	Q SX 22192.5 kHz	
	DCN	Norddeich R, D	scheduled	
	KFS	San Francisco R, CA, USA	scheduled	
22562.0	9MG 18	Georgetown R, Pin. I., HLA	scheduled	
	GKE 7	coast stations, series 2	Q SX 22193.0 kHz	
		Portishead R, G	scheduled	
			CW	
	WNU	Slidell R, LA, USA	scheduled	
	ZLM	Wellington R, NZL	scheduled	
22562.5		coast stations, series 3	Q SX 22193.5 kHz	
	KFS	San Francisco R, CA, USA	scheduled	
	OST 76	Oostende R, BEL	scheduled	
	UFH	Petropavlovsk R, FE, URS	scheduled	
	XSV	Tianjin R, CHN	scheduled	
22563.0		coast stations, series 4	Q SX 22194.0 kHz	
	FFT 91	Saint Lys R, F	SITOR-A: 1332 tts	
			SITOR-B: 0800+0900+1000+1100+	
			1600 tfc list or wx	
			CW	

22563.5		coast stations, series 5	QSOX 22194.5 kHz
	LGG 2	Rogaland R, NOR	scheduled
	HLO	Mobile R, AL, USA	scheduled
	5RS	Toamasina R, MDG	scheduled
22564.0		coast stations, series 6	QSOX 22195.0 kHz
	LZW	Varna R, BUL	scheduled
	VIP 36	Perth R, WA, AUS	scheduled
	VPS 97	Victoria Island R, HKG	scheduled
		CW	
22564.5		coast stations, series 7	QSOX 22195.5 kHz
	SAB 907	Goeteborg R, S	SITOR-A: 1000+1050+1311+1806 tts
	XSG	Shanghai R, CHN	scheduled
22565.0		coast stations, series 8	QSOX 22196.0 kHz
	PCH 75	Scheveningen R, HOL	scheduled
		CW	
22565.5		coast stations, series 9	QSOX 22196.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	KLC	Galveston R, TX, USA	scheduled
	OFA	Helsinki R, FIN	scheduled
22566.0		coast stations, series 10	QSOX 22197.0 kHz
	J2A	Jibuti R, DJI	scheduled
	S9M	Sao Tome R, STP	scheduled
22566.5		coast stations, series 11	QSOX 22197.5 kHz
	CBV	DGTHMM Valparaiso R, CHL	scheduled
	HEC 52	Berne R, SUI	scheduled
		CW	
	XSQ	Guangzhou R, CHN	scheduled
22567.0		coast stations, series 12	QSOX 22198.0 kHz
	NMF	USCG Boston, MA, USA	scheduled
	NRV	USCG Apra Harbour, GUM	scheduled
	OST 77	Oostende R, BEL	scheduled
22567.5		coast stations, series 13	QSOX 22198.5 kHz
	KPH	San Francisco R, CA, USA	scheduled
	UAT	Moscow R, RU, URS	scheduled
		CW	
	MCC	Chatham R, MA, USA	scheduled
22568.0		coast stations, series 14	QSOX 22199.0 kHz
	KPH	San Francisco R, CA, USA	scheduled
	VIS 71	Sydney R, NSW, AUS	scheduled
	MCC	Chatham R, MA, USA	scheduled
22568.5		coast stations, series 15	QSOX 22199.5 kHz
	DCH	Norddeich R, D	scheduled
	UXN	Arkhangelsk R, RU, URS	scheduled
	HLO	Mobile R, AL, USA	scheduled
22569.0		coast stations, series 16	QSOX 22200.0 kHz
	COB 36	Flota Cubana F R, CUB	scheduled
	UPB	Provideniya R, FE, URS	scheduled
22569.5		coast stations, series 17	QSOX 22200.5 kHz
	KLC	Galveston R, TX, USA	scheduled
	UCO	Yalta R, UK, URS	scheduled
22570.0		coast stations, series 18	QSOX 22201.0 kHz
	OXZ	Lyngby R, DNK	scheduled
	HPD	Tampa R, FL, USA	scheduled
22570.5		coast stations, series 19	QSOX 22201.5 kHz
	WNU	Slidell R, LA, USA	scheduled
22571.0		coast stations, series 20	QSOX 22202.0 kHz
	HZG	Danmark R, ARS	scheduled
	UFN	Novorossiysk R, RU, URS	scheduled
	YUR	Rijeka R, YUG	scheduled
22571.5		coast stations, series 21	QSOX 22202.5 kHz
	IAR	Rome R, I	scheduled
	KPH	San Francisco R, CA, USA	scheduled

22571.5	MCC	Chatham R, MA, USA	scheduled
22572.0		coast stations, series 22	Q SX 22203.0 kHz
	KLC	Galveston R, TX, USA	scheduled
	KPH	San Francisco R, CA, USA	scheduled
	3AC 42	Monte Carlo R, MCO	scheduled
22572.5		coast stations, series 23	Q SX 22203.5 kHz
	SVT 7	Athens R, GRC	scheduled
22573.0		coast stations, series 24	Q SX 22204.0 kHz
	COP	Yright Klingenfuss, D	scheduled
22573.5		coast stations, series 25	Q SX 22204.5 kHz
	FFT 93	Saint Lys R, F	scheduled
	WLO	Mobile R, AL, USA	scheduled
22574.0		coast stations, series 26	Q SX 22205.0 kHz
	CLA	Habana R, CUB	scheduled
	UJQ	Kiyev R, UK, URS	scheduled
22574.5		coast stations, series 27	Q SX 22205.5 kHz
	IAR	Rome R, I	scheduled
	NHN	USCG Portsmouth, VA, USA	scheduled
	NHO	USCG Honolulu, HMA	scheduled
22575.0		coast stations, series 28	Q SX 22206.0 kHz
	KFS	San Francisco R, CA, USA	scheduled
	UGH 2	Juzno R, FE, URS	scheduled
22575.5		coast stations, series 29	Q SX 22206.5 kHz
	FFT 92	Saint Lys R, F	SITOR-A: 1603+1715 tts CW
	UKX	Nakhodka R, SE, URS	scheduled
22576.0		coast stations, series 30	Q SX 22207.0 kHz
	DCL	Norddeich R, D	scheduled
	YUR	Rijeka R, YUG	scheduled
22576.5		coast stations, series 31	Q SX 22207.5 kHz
	HPP	Panama R, PHR	scheduled
22577.0		coast stations, series 32	Q SX 22208.0 kHz
	SAB 932	Goeteborg R, S	SITOR-A: 1035-1432 tts
22577.5		coast stations, series 33	Q SX 22208.5 kHz
	UDK 2	Murmansk R, RU, URS	scheduled
22578.0		coast stations, series 34	Q SX 22209.0 kHz
	GKP 7	Portishead R, G	SITOR-A: 1043+1333 tts CW
	UQB	Kholmsk R, FE, URS	scheduled
22578.5		coast stations, series 35	Q SX 22209.5 kHz
	3AC 52	Monte Carlo R, MCO	scheduled
22579.0		coast stations, series 36	Q SX 22210.0 kHz
	CLA	Habana R, CUB	scheduled
	OXZ	Lyngby R, DNK	scheduled
	HPD	Tampa R, FL, USA	scheduled
22579.5		coast stations, series 37	Q SX 22210.5 kHz
22580.0		coast stations, series 38	Q SX 22211.0 kHz
	KPH	San Francisco R, CA, USA	scheduled
	OFA	Helsinki R, FIN	scheduled
	UBN	Zhdanov R, UK, URS	scheduled
	UDH	Riga R, LA, URS	scheduled
	MCC	Chatham R, MA, USA	scheduled
22580.5		coast stations, series 39	Q SX 22211.5 kHz
22581.0		coast stations, series 40	Q SX 22212.0 kHz
22581.5		coast stations, series 41	Q SX 22212.5 kHz
	UHK	Batumi R, GE, URS	scheduled
	UMV	Murmansk R, RU, URS	scheduled
22582.0		coast stations, series 42	Q SX 22213.0 kHz
	UFB	Odessa R, UK, URS	scheduled
	YUS	Split R, YUG	scheduled
22582.5		coast stations, series 43	Q SX 22213.5 kHz
	HPP	Panama R, PHR	scheduled

22583.0		coast stations, series 44	QSOX 22214.0 kHz
	IAR	Rome R, I	scheduled
	UBE 2	Petropavlovsk R, FE, URS	scheduled
22583.5		coast stations, series 45	QSOX 22214.5 kHz
22584.0		coast stations, series 46	QSOX 22215.0 kHz
	A9M	Haarala R, BHR	scheduled
			CW
22584.5		coast stations, series 47	QSOX 22215.5 kHz
	KFS	San Francisco R, CA, USA	scheduled
	UFM 3	Nevelsk R, FE, URS	scheduled
22585.0		coast stations, series 48	QSOX 22216.0 kHz
	KLC	Galveston R, TX, USA	scheduled
	YUM	Bar R, YUG	scheduled
22585.5		coast stations, series 49	QSOX 22216.5 kHz
	SVU 7	Athens R, GRC	scheduled
22586.0		coast stations, series 50	QSOX 22217.0 kHz
	HEC 62	Berne R, SUI	scheduled
	UQK	Riga R, LA, URS	scheduled
22586.5		coast stations, series 51	QSOX 22217.5 kHz
22587.0		coast stations, series 52	QSOX 22218.0 kHz
	LGG 3	Rogaland R, NOR	scheduled
			CW
	WNU	Slidell R, LA, USA	scheduled
22587.5		coast stations, series 53	QSOX 22218.5 kHz
22588.0		coast stations, series 54	QSOX 22219.0 kHz
	WLO	Mobile R, AL, USA	scheduled
			CW
22588.5		coast stations, series 55	QSOX 22219.5 kHz
	HEC 72	Berne R, SUI	scheduled
22589.0		coast stations, series 56	QSOX 22220.0 kHz
22589.5		coast stations, series 57	QSOX 22220.5 kHz
	DCF	Norddeich R, D	scheduled
	URD	Leningrad R, RU, URS	scheduled
	WNU	Slidell R, LA, USA	scheduled
22590.0		coast stations, series 58	QSOX 22221.0 kHz
	UFL	Vladivostok R, SE, URS	scheduled
	VCS	CCG Halifax, NS, CAN	scheduled
22590.5		coast stations, series 59	QSOX 22221.5 kHz
	OXZ	Lyngby R, DNK	scheduled
22591.0		coast stations, series 60	QSOX 22222.0 kHz
	3AC 62	Monte Carlo R, MCO	scheduled
22591.5		coast stations, series 61	QSOX 22222.5 kHz
	CUL	Lisbon R, POR	scheduled
	UNM 2	Klaipeda R, LI, URS	scheduled
22592.0		coast stations, series 62	QSOX 22223.0 kHz
	IAR	Rome R, I	scheduled
22592.5		coast stations, series 63	QSOX 22223.5 kHz
22593.0		coast stations, series 64	QSOX 22224.0 kHz
	ZSC 65	Capetown R, AFS	scheduled
			CW
22593.5		coast stations, series 65	QSOX 22224.5 kHz
22594.0		coast stations, series 66	QSOX 22225.0 kHz
	GKQ 7	Portishead R, G	scheduled
22594.5		coast stations, series 67	QSOX 22225.5 kHz
22595.0	worldwide	coast stations DSC freq.	
	OBC 3	Callao R, PRU	CW
22595.5	worldwide	coast stations DSC freq.	
22596.0		coast stations, ch 2201	SSB QSOX 22000.0 kHz
	EHY	Pozuelo del Rey R, E	
	HAR	Budapest R, HNG	
	WOD	Ocean Gate R, NJ, USA	
	XSV	Tianjin R, CHN	

22599.1		coast stations, ch 2202	SSB	QSOX 22003.1 kHz	0.20000
	CFH	CF Halifax, NS, CAN			
	HAR	Budapest R, HNG			
	LFN 30	Rogaland R, NOR			0.20000
	S3D	Chittagong R, BGD			0.20000
	S3E	Khulna R, BGD			
	UFB	Odessa R, UK, URS			
	UFL	Vladivostok R, SE, URS			0.20000
	SOW	Lagos R, NIG			
22602.2		coast stations, ch 2203	SSB	QSOX 22006.2 kHz	0.20000
	EQM	Bushire R, IRN			0.20000
	HPP 20	Panama R, PNR			0.20000
	LFN 31	Rogaland R, NOR			0.20000
	OXZ	Lyngby R, DNK			0.20000
	SAG	Goeteborg R, S			0.20000
	VIS	Sydney R, NSW, AUS			0.20000
22605.3		coast stations, ch 2204	SSB	QSOX 22009.3 kHz	0.20000
	FFL 92	Saint Lys R, F			0.20000
	LPL 21	General Pacheco R, ARG			0.20000
	OHG 2	Helsinki R, FIN			0.20000
	YUR	Rijeka R, YUG			0.20000
	ZSC 29	Capetown R, AFS			
	4XO	Haifa R, ISR			
	9KK 24	Safat R, KWT			0.20000
22608.4		coast stations, ch 2205	SSB	QSOX 22012.4 kHz	0.20000
	EQK	Khoramshahr R, IRN			0.20000
	PCB 71	Scheveningen R, HOL			0.20000
	UFM 3	Nevelsk R, FE, URS			0.20000
	UKX	Nakhodka R, SE, URS			0.20000
	WOO	Ocean Gate R, NJ, USA			0.20000
	7TA 32	El Djaza'ir R, ALG			0.20000
22611.5		coast stations, ch 2206	SSB	QSOX 22015.5 kHz	0.20000
	A9M	Hamala R, BHR			0.20000
	GKT 76	Portishead R, G			0.20000
	OBC 3	Callao R, PRU			0.20000
	SPC 93	Gdynia R, POL			0.20000
	YUR	Rijeka R, YUG			0.20000
	ZSD 42	Durban R, AFS			0.20000
	SOW	Lagos R, NIG			
22614.6		coast stations, ch 2207	SSB	QSOX 22018.6 kHz	0.20000
	CUL	Lisbon R, POR			0.20000
	DAJ	Norddeich R, D			0.20000
	D3E	Luanda R, AGL			0.20000
	S3D	Chittagong R, BGD			0.20000
	UAT	Moscow R, RU, URS			0.20000
	XSG	Shanghai R, CHN			0.20000
	4XO	Haifa R, ISR			0.20000
22617.7		coast stations, ch 2208	SSB	QSOX 22021.7 kHz	0.20000
	HPP 20	Panama R, PNR			0.20000
	LFN 32	Rogaland R, NOR			0.20000
	LZW	Varna R, BUL			0.20000
	OXZ	Lyngby R, DNK			0.20000
	SAG	Goeteborg R, S			0.20000
22620.8		coast stations, ch 2209	SSB	QSOX 22024.8 kHz	0.20000
	HLS	Soul R, KOR			0.20000
	OSU 74	Oostende R, BEL			0.20000
	SPC 94	Gdynia R, POL			0.20000
	SVN 7	Athens R, GRC			0.20000
	S9M	Sao Tome R, STP			0.20000
22623.9		coast stations, ch 2210	SSB	QSOX 22027.9 kHz	0.20000
	OHG 2	Helsinki R, FIN			0.20000
	S3E	Khulna R, BGD			0.20000

22623.9	WOO	Ocean Gate R, NJ, USA		
22627.0		coast stations, ch 2211	SSB	QSOX 22031.0 kHz
	COB 34	Flota Atunera F R, CUB		
	COB 36	Flota Cubana F R, CUB		
	IAR	Rome R, I		
	LFN 33	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
22630.1		coast stations, ch 2212	SSB	QSOX 22034.1 kHz
	GBU 72	Portishead R, G		
	BYU	RN Gibraltar, GIB		
	HAR	Budapest R, HNG		
	VIP	Perth R, WA, AUS		
	SBA 72	Nicosia R, CYP		
	YVG 70	Singapore R, SNG		
22633.2		coast stations, ch 2213	SSB	QSOX 22037.2 kHz
	LFN 34	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	TAM 5	Mersin R, TUR		
	UQB	Kholmak R, FE, URS		
	URD	Leningrad R, RU, URS		
	ZLW	Wellington R, NZL		
	SAT	Tripoli R, LBY		
	YBA	Takoradi R, GHA		
22636.3		coast stations, ch 2214	SSB	QSOX 22040.3 kHz
	CWF	Punta Carretas R, URG		
	GBU 74	Portishead R, G		
	HEB 52	Berne R, SUI		
	KMI	Dixon R, CA, USA		
	OHG 2	Helsinki R, FIN		
	OSU 77	Oostende R, BEL		
	S3D	Chittagong R, BGD		
	TAM 5	Mersin R, TUR		
	XSQ	Guangzhou R, CHN		
22639.4		coast stations, ch 2215	SSB	QSOX 22043.4 kHz
	FUB	FN Paris, F		
	LFN 35	Rogaland R, NOR		
	OBQ 5	Iquitos R, PRU		
	SPC 91	Gdynia R, POL		
	WOM	Pennsuco R, FL, USA		
	YBX	Tema R, GHA		
22642.5		coast stations, ch 2216	SSB	QSOX 22046.5 kHz
	ICB	Genova R, I		
	LFN 36	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	WOM	Pennsuco R, FL, USA		
	YVG	La Guayra R, VEN		
	YKK 25	Safat R, KWT		
22645.6		coast stations, ch 2217	SSB	QSOX 22049.6 kHz
	DAP	Norddeich R, D		
	OBF 4	Mollendo R, PRU		
	SVN 7	Athens R, GRC		
	S3D	Chittagong R, BGD		
	VPS	Victoria Island R, HKG		
	YXO	Haifa R, ISR		
22648.7		coast stations, ch 2218	SSB	QSOX 22052.7 kHz
	FUB	FN Paris, F		
	LFN 37	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	S9M	Sao Tome R, STP		

22648.7	UFB VPS SBA 74	Odessa R, UK, URS Victoria Island R, HKG Nicosia R, CYP		
22651.8	OSU 73 SPO 91 SVN 7 S3D XSG 3AC 22	coast stations, ch 2219 Oostende R, BEL Szczecin R, POL Athens R, GRC Chittagong R, BGD Shanghai R, CHN Monte Carlo R, MCO	SSB	QSX 22055.8 kHz
22654.9	GKU 70 HEB 72 OMP Y5M 6VA	coast stations, ch 2220 Portishead R, G Berne R, SUI Prague R, TCH Rügen R, DDR Dakar R, SEN	SSB	QSX 22058.9 kHz
22658.0		coast stations, ch 2221 (worldwide calling frequency)	SSB	QSX 22062.0 kHz
22661.1	DAH HLS HZG OHG 2 KLI 87 WOM	coast stations, ch 2222 Norddeich R, D Soul R, KOR Dammam R, ARS Helsinki R, FIN Ngenfuss Copyright, D Pennsuko R, FL, USA	SSB	QSX 22065.1 kHz
22664.2	DAI IAR KMI S3D TAM 4 VIS WAH	coast stations, ch 2223 Norddeich R, D Rome R, I Dixon R, CA, USA Chittagong R, BGD Iskenderun R, TUR Sydney R, NSW, AUS Saint Thomas R, VIR	SSB	QSX 22068.2 kHz
22667.3	EHY SVN 7 Y5M 3BB	coast stations, ch 2224 Pozuelo del Rey R, E Athens R, GRC Rügen R, DDR Port Louis R, MAU	SSB	QSX 22071.3 kHz
22670.4	CBV OSU 71 TFA TUA XDA XFA XFS 5 XFU 2 7TA 33	coast stations, ch 2225 DGTMM Valparaiso R, CHL Oostende R, BEL Reykjavik R, ISL Abidjan R, CTI Mexico City R, MEX Acapulco R, MEX PEMEX Tuxpan R, MEX PEMEX Veracruz R, MEX El Djaza'ir R, ALG	SSB	QSX 22074.4 kHz
22673.5	FFL 91 SUH S3E TFA XSG Y5M ZAD	coast stations, ch 2226 Saint Lys R, F Alexandria R, EGY Khulna R, BGD Reykjavik R, ISL Guangzhou R, CHN Rügen R, DDR Durrës R, ALB	SSB	QSX 22077.5 kHz
22676.6	ASK GKV 77 JBO WLO 7TA 34	coast stations, ch 2227 Karachi R, PAK Portishead R, G Tokyo R, J Mobile R, AL, USA El Djaza'ir R, ALG	SSB	QSX 22080.6 kHz

22679.7		coast stations, ch 2228	SSB	QSOX 22083.7 kHz
	KMI	Dixon R, CA, USA		
	LFN 38	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	SAG	Goeteborg R, S		
	SSE	Khulna R, BGD		
	UGH 2	Juzno R, FE, URS		
22682.8		coast stations, ch 2229	SSB	QSOX 22086.8 kHz
	EHY	Pozuelo del Rey R, E		
	OKV 79	Portishead R, G		
22685.9		coast stations, ch 2230	SSB	QSOX 22089.9 kHz
	LFN 39	Rogaland R, NOR		
	SAG	Goeteborg R, S		
	TAN	Istanbul R, TUR		
	YSM	Rügen R, DDR		
22689.0		coast stations, ch 2231	SSB	QSOX 22093.0 kHz
	CKN	CF Vancouver, BC, CAN		
	FFL 94	Saint Lys R, F		
	HZG	Dammam R, ARS		
	OHG 2	Helsinki R, FNL		
	SVN 7	Athens R, GRC		
	UFN	Novorossiysk R, RU, URS		
	WLO	Mobile R, AL, USA		
	YMG 42	Georgetown R, Pin. I., MLA		
	KOP 74	Yright Klingenfuss, D		
22692.1		coast stations, ch 2232	SSB	QSOX 22096.1 kHz
	CLA 76	Habana R, CUB		
	HEB 62	Berne R, SUI		
	PCG 72	Scheveningen R, HOL		
	SPC 92	Gdynia R, POL		
	UFH	Petropavl.-Km. R, FE, URS		
	URB 2	Klaipeda R, LI, URS		
22695.2		coast stations, ch 2233	SSB	QSOX 22099.2 kHz
	EQN	Khomeini R, IRN		
	LFN 40	Rogaland R, NOR		
	S3D	Chittagong R, BGD		
22698.3		coast stations, ch 2234	SSB	QSOX 22102.3 kHz
	LFN 41	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	PKX	Jakarta R, INS		
	SAG	Goeteborg R, S		
	XDA	Mexico City R, MEX		
	XFK	La Paz R, MEX		
	XFS 4	PENEX Tecolutla R, MEX		
	XFS 5	PENEX Tuxpan R, MEX		
	SAB	Benghazi R, LBY		
22701.4		coast stations, ch 2235	SSB	QSOX 22105.4 kHz
	A7D	Doha R, QAT		
	EQI	Abbas R, IRN		
	FFL 93	Saint Lys R, F		
	SVN 7	Athens R, GRC		
	UDK 2	Murmansk R, RU, URS		
22704.5		coast stations, ch 2236	SSB	QSOX 22108.5 kHz
	JBO	Tokyo R, J		
	KMI	Dixon R, CA, USA		
	LFN 42	Rogaland R, NOR		
	OXZ	Lyngby R, DNK		
	WOO	Ocean Gate R, NJ, USA		
22707.6		coast stations, ch 2237	SSB	QSOX 22111.6 kHz
	IAR	Rome R, I		
	LFN 43	Rogaland R, NOR		
	WLO	Mobile R, AL, USA		

22710.7		coast stations, ch 2238	SSB	QSO 22114.7 kHz
	DAK	Norddeich R, D		
	HAR	Budapest R, HNG		
	PPR	Rio de Janeiro R, B		
	UQK	Riga R, LA, URS		
	XFS 4	PEMEX Tecolutla R, MEX		
	XFU 2	PEMEX Veracruz R, MEX		
	7TA 35	El Djaza'ir R, ALG		
22713.8		coast stations, ch 2239	SSB	QSO 22117.8 kHz
	LFN 44	Rogaland R, NOR		
	OSU 72	Oostende R, BEL		
	YUR	Rijeka R, YUG		
22716.9		coast stations, ch 2240	SSB	QSO 22120.9 kHz
	ASK	Karachi R, PAK		
	CBV	DGTHMM Valparaiso R, CHL		
	GKX 70	Portishead R, G		
	JBO	Tokyo R, J		
	LFN 45	Rogaland R, NOR		
	SRG	Toamasina R, MDG		
22770.0	JMH 6	Tokyo Meteo, J	FAX //	3622.5 kHz \$
22777.5	GHH	Jamestown Meteo, SHN		1000+1400 ry, wx

22855.0 - 23000.0

FIXED

22865.0	NPD	USN Subic Bay, PHL	FAX //	3379.5 kHz \$
22915.0	FTW 91	DIPLO Paris, F		0900 F nx

23000.0 - 23200.0

FIXED + Mobile except aeronautical mobile (R)

23012.0	NPN	USN Apra Harbour, GUM	FAX //	3379.5 kHz \$
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23200.0 - 23350.0

AERONAUTICAL FIXED + AERONAUTICAL MOBILE (OR)

23331.5	KVM 70	Honolulu Meteo, HWA	FAX //	5037.5 kHz \$
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23350.0 - 24000.0

FIXED + MOBILE except aeronautical mobile

23405.0	SOY 240B	PAP Warsaw, POL	SITOR-B:	1400 Polish nx
23408.0	SOY 240B	PAP Warsaw, POL	CW	
23425.0	KKN 44	USE Monrovia, LBR	CW	
23642.7	KWS 78	USE Athens, GRC	CW	

24000.0 - 24890.0

FIXED + LAND MOBILE

24890.0 - 24990.0

AMATEUR + AMATEUR-SATELLITE

24990.0 - 25005.0

STANDARD FREQUENCY AND TIME SIGNAL

25005.0 - 25010.0

STANDARD FREQUENCY AND TIME SIGNAL + Space Research

25010.0 - 25070.0

FIXED + MOBILE except aeronautical mobile

25025.0	OBV 2	Païta R, PRU	CW
25045.0	OBC 3	Callao R, PRU	CW
25052.0	OMP 81	Prague R, TCH	CW
25065.0	OBF 4	Mollendo R, PRU	CW
	OFJ 25	Helsinki R, FNL	CW
25069.0	Y5M	Rügen R, DDR	CW

25070.0 - 25210.0

MARITIME MOBILE

25071.0		ship stations calling, ch A	CW
25073.0		ship stations calling, ch C	CW
25075.0		ship stations calling, ch B	CW
25076.3		ship stations, non-paired	
25076.8		ship stations, non-paired	
25077.3		ship stations, non-paired	
25077.8		ship stations, non-paired	
25078.3		ship stations, non-paired	
25078.8		ship stations, non-paired	
25079.3		ship stations, non-paired	
25079.8		ship stations, non-paired	
25080.3		ship stations, non-paired	
25080.8		ship stations, non-paired	
25081.3		ship stations, non-paired	
25081.8		ship stations, non-paired	
25082.3		ship stations, non-paired	
25082.8		ship stations, non-paired	
25083.3		ship stations, non-paired	
25083.8		ship stations, non-paired	
25084.3		ship stations, non-paired	
25084.8		ship stations, non-paired	
25085.3		ship stations, non-paired	
25085.8		ship stations, non-paired	
25086.3		ship stations	Q5X 25380.0 kHz (NMF)
25086.8		ship stations, non-paired	
25087.3		ship stations, non-paired	
25087.8		ship stations, non-paired	
25088.3		ship stations, non-paired	
25088.8		ship stations, non-paired	
25089.3		ship stations, non-paired	
25089.8		ship stations, non-paired	
25110.0	OBQ 5	Iquitos R, PRU	CW
25130.5	LPD 34	General Pacheco R, ARG	CW
25134.0	IDR 7	IN Rome, I	CW
25135.0	OST 8	Oostende R, BEL	CW
25143.0	OMP 82	Prague R, TCH	CW
25160.0	LSA	Boca R, ARG	CW
25196.0	DAM	Norddeich R, D	CW
25197.0	LSA	Boca R, ARG	CW

25210.0 - 25550.0

FIXED + MOBILE except aeronautical mobile

25262.0	OXZ 95	Lyngby R, DNK	CW
25277.0	ZSC 41	Capetown R, AFS	CW
25308.0	LFR	Rogaland R, NOR	CW
	Y5M	Rügen R, DDR	CW
25380.0	NMF	USCG San Franc., CA, USA	scheduled; Q5X 25085.8 kHz
25382.5	LFZ	Rogaland R, NOR	CW

25401.0	SVA 8	Athens R, GRC	CW	
25415.5	SAB 25	Goeteborg R, S	CW	
25437.0	DXZ	Lyngby R, DNK	scheduled	
25440.5	DXZ	Lyngby R, DNK	SSB	
25444.0	DXZ	Lyngby R, DNK	SSB	
25461.0	SAB 25	Goeteborg R, S	CW	
25535.0	SVD 8	Athens R, GRC	CW	

25550.0 - 25670.0 RADIO ASTRONOMY

25670.0 - 26100.0 BROADCASTING

26100.0 - 26175.0 MARITIME MOBILE

26103.	WPD	Tampa R, FL USA	4 NOV 88. CW	
26108.0	DAN	Norddeich R, D	CW	
26144.4	SAB	Goeteborg R, S	SSB	QSX 25053.9 kHz
26150.6	SAB	Goeteborg R, S	SSB	QSX 25060.1 kHz

26175.0 - 27500.0 FIXED + MOBILE except aeronautical mobile

26227.5	DAF	Norddeich R, D	CW	
26340.0	DAL	Norddeich R, D	CW	
26455.0	YSM	Rügen R, DDR	CW	
27017.0	OST 82	Oostende R, BEL	CW	

27500.0 - 28000.0 FIXED + METEOROLOGICAL AIDS + MOBILE

28000.0 - 29700.0 AMATEUR + AMATEUR-SATELLITE

29700.0 - 30000.0 FIXED + MOBILE

IV. Identification of stations**Section I - General provisions**

- RR 2055 All transmissions shall be capable of being identified either by identification signals or by other means.
- RR 2055.1 In the present state of technique, it is recognized nevertheless that the transmission of identifying signals for certain radio systems (e.g. radiodetermination, radio relay systems and space systems) is not always possible.
- RR 2056 All transmissions with false or misleading identification are prohibited.
- RR 2057 Where practicable and in appropriate services, identification signals should be automatically transmitted in accordance with relevant CCIR Recommendations.
- RR 2058 All transmissions in the following services should, except as provided in RRs 2066 to 2068, carry identification signals:
- RR 2059 a) amateur service;
 - RR 2060 b) broadcasting service;
 - RR 2061 c) fixed service in the bands below 28000 kHz;
 - RR 2062 d) mobile service;
 - RR 2063 e) standard frequency and time signal service.
- RR 2064 All operational transmissions by radiobeacon stations shall carry identification signals. However, it is recognized that, for radiobeacons and for certain other radionavigation services that normally carry identification signals, during periods of malfunction or other non-operational service the deliberate removal of identification signals is an agreed means of warning users that the transmission cannot safely be used for navigational purposes.
- RR 2065 When identification signals are transmitted they shall comply with the provisions of this Article.
- RR 2066 However, the requirements for certain transmissions to carry identification signals need not apply to:
- RR 2067 a) survival craft stations when transmitting distress signals automatically;
 - RR 2068 b) emergency position-indicating radiobeacons.
- RR 2069 In transmissions carrying identification signals a station shall be identified by a call sign .. or by other recognized means of identification which may be one or more of the following: name of station, location of station, operating agency, official registration mark, flight identification number, selective call number or signal, selective call identification numbers or signal, characteristic signal, characteristic of emission or other clearly distinguishing features, readily recognized internationally.
- RR 2070 For transmissions carrying identification signals, in order that stations may be readily identified, each station shall transmit its identification as frequently as practicable during the course of transmissions, including those made for tests, adjustments or experiments. During such transmissions, however, identification signals shall be transmitted at least hourly, preferably within the period from five minutes before to five minutes after the hour (UTC) unless to do so would cause unreasonable interruption of traffic, in which case identification shall be given at the beginning and end of transmissions.
- RR 2071 Identification signals shall wherever practicable be Copyright 1987 Klingenfuss Publications D-7400 Tuebingen Germany in one of the following forms:
- RR 2072 a) speech, using simple amplitude or frequency modulation;
 - RR 2073 b) international Morse code transmitted at manual speed;
 - RR 2074 c) a telegraph code compatible with conventional printing equipment;
 - RR 2075 d) any other form recommended by the CCIR.
- RR 2076 To the extent possible the identification signal should be transmitted in accordance with relevant CCIR Recommendations.
- RR 2077 Administrations should ensure that wherever practicable superimposed identification methods be employed in accordance with CCIR Recommendations.

- RR 2078 When a number of stations work simultaneously in a common circuit, either as relay stations, or in parallel or different frequencies, each station shall, as far as practicable, transmit its own identification or those of all the stations concerned.
- RR 2079 Administrations shall ensure, except in the cases mentioned in RRs 2066 to 2068, that all transmissions not carrying identification signals can be identified by other means when they are capable of causing harmful interference to the services of another administration operating in accordance with these Regulations.
- RR 2080 Administrations shall, having regard to the provisions of these Regulations relating to the notification of assignments for recording in the Master Register, adopt their own measures to ensure compliance with the provisions of RR 2079.
- RR 2081 Each Member reserves the right to establish its own measures for identifying its stations used for national defence. However, it shall use, as far as possible, call signs recognizable as such, and containing the distinctive characters of its nationality.

Section II - Allocation of international series and assignment of call signs

- RR 2082 All stations open to the international public correspondence service, all amateur stations, and other stations which are capable of causing harmful interference beyond the boundaries of the country to which they belong, shall have call signs from the international series allocated to each country as given in the Table of Allocation of International Call Sign Series in Appendix 42 (see chapter V of this reference book.)
- RR 2086 Between administrative radio conferences, the Secretary-General is authorized to deal with questions relating to changes in the allocation of series of call signs, on a provisional basis, and subject to confirmation by the following conference ...
- RR 2089 Each country shall choose the call signs from the international series allocated or supplied to it; and shall, in accordance with Article 26, notify this information to the Secretary-General together with the information which is to appear in Lists I, II, IV, V, VI and VIII A. These notifications do not include call signs assigned to amateur and experimental stations.
- RR 2091 The Secretary-General shall ensure that the same call sign is not assigned more than once and that call signs which might be confused with distress signals, or with other signals of the same nature, are not assigned.
- RR 2092 When a fixed station uses more than one frequency in the international service, each frequency may be identified by a separate call sign used solely for this frequency.
- RR 2093 When a broadcasting station uses more than one frequency in the international service, each frequency may be identified by a separate call sign used solely for this frequency or by some other appropriate means, such as announcing the name of the place and frequency used.
- RR 2094 When a land station uses more than one frequency, each frequency may, if desired, be identified by a separate call sign.
- RR 2095 Where practicable, coast stations should use a common call sign for each frequency series.
- RR 2095.1 By "frequency series" is meant a group of frequencies each of which belongs to one of the different bands between 4000 kHz and 27500 kHz that are allocated exclusively to the maritime mobile service.

Section III - Formation of call signs

- RR 2096 The twenty-six letters of the alphabet, as well as digits in the cases specified below, may be used to form call signs. Accented letters are excluded.
- RR 2097 However, the following combinations shall not be used as call signs:
- RR 2098 a) combinations which might be confused with distress signals or with other signals of a similar nature;

- RR 2099 b) combinations reserved for the abbreviations to be used in the radiocommunication services (see Appendices 13 and 14);
- RR 2100 c) for amateur stations, combinations commencing with a digit when the second character is the letter O or the letter I.
- RR 2101 Call signs in the international series are formed as indicated in RRs 2102 to 2122. The first two characters shall be two letters or a letter followed by a digit or a digit followed by a letter. The first two characters or in certain cases the first character of a call sign constitute the nationality identification.
- RR 2101.1 For call sign series beginning with B, F, G, I, K, M, N, R and W, only the first character is required for nationality identification. In the cases of half series, the first three characters are required for nationality identification.
- RR 2102 Land and fixed stations
- RR 2103 - two characters and one letter, or
- two characters and one letter followed by not more than three digits (other than the digits 0 and 1 in cases where they immediately follow a letter).
- RR 2104 However, it is recommended that, as far as possible, the call signs of fixed stations consist of:
- two characters and one letter followed by two digits (other than the digits 0 and 1 in cases where they immediately follow a letter).
- RR 2105 Ship stations
- RR 2106 - two characters and two letters, or
- two characters, two letters and one digit (other than the digits 0 or 1).
- RR 2107 However, ship stations employing only radiotelephony may also use a call sign consisting of:
- two characters (provided that the second is a letter) followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter), or
- two characters and one letter followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter).
- RR 2108 Aircraft stations
- RR 2109 - two characters and three letters.
- RR 2110 Ship's survival craft stations
- RR 2111 - the call sign of the parent ship followed by two digits (other than the digits 0 and 1 in cases where they immediately follow a letter).
- RR 2112 Emergency position-indicating radiobeacon stations
- RR 2113 - the Morse letter B and/or the call sign of the parent ship to which the radiobeacon belongs.
- RR 2114 Aircraft survival craft stations
- RR 2115 - the complete call sign of the parent aircraft (see RR 2109), followed by a single digit other than 0 or 1.
- RR 2116 Land mobile stations
- RR 2117 - two characters (provided that the second is a letter) followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter); or
- two characters and one or two letters followed by four digits (other than the digits 0 and 1 in cases where they immediately follow a letter).
- RR 2118 Amateur and experimental stations
- RR 2119 - one character (see RR 2101.1) and a single digit (other than 0 or 1), followed by a group of not more than three letters, or
- two characters and a single digit (other than 0 or 1), followed by a group of not more than three letters.
- RR 2120 However, the prohibition of the use of the digits 0 and 1 does not apply to amateur stations.
- RR 2121 Stations in the space service
- RR 2122 When call signs for stations in the space service are employed it is recommended that they consist of:
- two characters followed by two or three digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

Section IV - Identification of stations using radiotelephony

- RR 2123 Stations using radiotelephony shall be identified as indicated in RRs 2124 to 2133.
- RR 2124 Coast stations
- a call sign (see RR 2103); or
 - the geographical name of the place as it appears in the List of Coast Stations, followed preferably by the Copyright 1987 Klingenfuss Publications Fed. Rp. Germany word RADIO or by any other appropriate indication.
- RR 2125 Ship stations
- a call sign (see RRs 2106 and 2107); or
 - the official name of the ship preceded, if necessary, by the name of the owner on condition that there is no possible confusion with distress, urgency and safety stations; or
 - its selective call number or signal.
- RR 2126 Ship's survival craft stations
- a call sign (see RR 2111); or
 - a signal of identification consisting of the name of the parent ship followed by three digits.
- RR 2127 Emergency position-indicating radiobeacon stations
- When speech transmission is used (see RR 3265):
- the name and/or the call sign of the parent ship to which the radiobeacon belongs.
- RR 2128 Aeronautical stations
- the name of the airport or geographical name of the place followed, if necessary, by a suitable word indicating the function of the station.
- RR 2129 Aircraft stations
- a call sign (see RR 2109), which may be preceded by a word designating the owner or the type of aircraft; or
 - a combination of characters corresponding to the official registration mark assigned to the aircraft; or
 - a word designating the airline, followed by the flight identification number.
- RR 2130 In the exclusive aeronautical mobile frequency bands, aircraft stations using radiotelephony may use other methods of identification, after special agreement between governments, and on condition that they are internationally known.
- RR 2131 Aircraft survival craft stations
- a call sign (see RR 2115).
- RR 2132 Base stations
- a call sign (see RR 2103); or
 - the geographical name of the place followed, if necessary, by any other appropriate indication.
- RR 2133 Land mobile stations
- a call sign (see RR 2117); or
 - the identity of the vehicle or any other appropriate indication.

Section V - Selective call numbers in the Maritime Mobile Service

- RR 2134 When stations of the maritime mobile service use selective calling devices in accordance with Appendices 38 and 39, their call numbers shall be assigned by the responsible administrations in accordance with the provisions below.
- RR 2135 Formation of ship station selective call numbers and coast station identification numbers
- RR 2136 The ten digits from 0 to 9 inclusive shall be used to form selective call numbers.
- RR 2137 However, combinations of numbers commencing with the digits 00 (zero, zero) shall not be used when forming the identification numbers for coast stations.
- RR 2138 Ship station selective call numbers and coast station identification numbers in the series are formed as indicated in RRs 2139, 2140 and 2141.

- RR 2139 Coast station identification numbers
 - four digits (see RR 2137).
- RR 2140 Ship station selective call numbers
 - five digits.
- RR 2141 Predetermined group of ship stations
 - five digits consisting of
 - the same digit repeated five times; or
 - two different digits repeated alternately.
- RR 2142 Assignment of ship station selective call numbers and coast station identification numbers
- RR 2143 In cases where selective call numbers for ship stations and identification numbers for coast stations are required for use in the maritime mobile service and the selective calling system is in accordance with Appendix 39, the selective call numbers and identification numbers shall be supplied by the Secretary-General on request. Upon notification by an administration of the introduction of selective calling for use in the maritime mobile service:
- RR 2144 a) selective call numbers for ships will be supplied as required in blocks of 100 (one hundred);
- RR 2145 b) coast station identification numbers will be supplied in blocks of 10 (ten) to meet actual requirements;
- RR 2146 c) selective call numbers for selective calling of predetermined groups of ship stations in accordance with RR 2141 will be supplied as required as single numbers.
- RR 2147 Each administration shall choose the selective call numbers to be assigned to its ship stations from the blocks of the series supplied to it.
- RR 2148 Each administration shall choose the coast station identification numbers to be assigned to its coast stations from the blocks of the series supplied to it.

Section VI - Maritime Mobile Service Identities in the Maritime Mobile Service and the Maritime Mobile-Satellite Service

- RR 2149 When a station in the maritime mobile service or the maritime mobile-satellite service is required to use maritime mobile service identities, the responsible administration shall assign the identity to the station in accordance with the provisions described in Appendix 43 and Resolution 320 (Mob-83), taking into consideration relevant CCIR and CCITT Recommendations.

Section VII - Special provisions

- RR 2150 In the aeronautical mobile service, after communication has been established by means of the complete call sign, the aircraft station may use, if confusion is unlikely to arise, an abbreviated call sign or identification consisting of:
- RR 2151 a) in radiotelegraphy, the first character and last two letters of the complete call sign (see RR 2109);
- RR 2152 b) in radiotelephony:
 - the first character of the complete call sign; or
 - the abbreviation of the name of the owner of the aircraft (company or individual); or
 - the type of aircraft;
 followed by the last two letters of the complete call sign (see RR 2109) or by the last two characters of the registration mark.
- RR 2153 The provisions of RRs 2150, 2151 and 2152 may be amplified or modified by agreement between administrations concerned.
- RR 2154 The distinguishing signals allotted to ships for visual and aural signaling shall, in general, agree with the call signs of ship stations.

Call sign formation possibilities

Note: The actual number of combinations may be less, in order to comply with RRs 2097 - 2100.

.. represents the first two characters of allocated call sign series (see chapter V)

Type of station	RR	Permitted formations	Combinations	Remarks
Aircraft	2109	..AAA - ..ZZZ	17576	
Aircraft survival craft	2115	p2 - p9	8 per aircraft	p = complete call sign of the parent aircraft (see RR 2109)
Amateur	2119	f0A - f9Z	260	f = first character, provided it is B, F, G, I, K, M, N, R or W (see RR 2101)
	2120	f0AA - f9ZZ	6760	
		f0AAA - f9ZZZ	175760	
		..0A - ..9Z	260	call signs commencing with a digit when the second character is the letter O or I are not permitted (see RR 2100)
		..0AA - ..9ZZ	6760	
		..0AAA - ..9ZZZ	175760	
Emergency position-indicating radio beacon	2113	B	no limit	B = Morse letter B
		p		p = call sign of the parent ship
		Bp		(see RRs 2106 and 2107)
Experimental	2119	f2A - f9Z	208	f = first character, provided it is B, F, G, I, K, M, N, R or W (see RR 2101)
		f2AA - f9ZZ	5408	
		f2AAA - f9ZZZ	140608	
		..2A - ..9Z	208	
		..2AA - ..9ZZ	5408	
		..2AAA - ..9ZZZ	140608	
Fixed	2103	..A - ..Z	26	recommended, as far as possible (see RR 2104)
		..A2 - ..Z9	208	
		..A20 - ..Z99	2080	
		..A200 - ..Z999	20800	
Land	2103	..A - ..Z	26	
		..A2 - ..Z9	208	
		..A20 - ..Z99	2080	
		..A200 - ..Z999	20800	
Land mobile	2117	.s2000 - .s9999	8000	s = second character, provided it is a letter
		..A2000 - ..Z9999	208000	
		..AA2000 - ..ZZ9999	5408000	
Ship	2106	..AA - ..ZZ	676	s = second character, provided it is a letter
		..AA2 - ..ZZ9	5408	
	2107	.s2000 - .s9999	8000	
		..A2000 - ..Z9999	208000	
Ship's survival craft	2111	p00 - p99	100 per ship	if last char. of p is a digit (p = call sign of the parent ship (see RRs 2106 and 2107))
		p20 - p99	80 per ship	if last character of p is a letter
Space service	2122	..00 - ..99	100	if second character is a digit
		..000 - ..999	1000	
		..20 - ..99	80	if second character is a letter
		..200 - ..999	800	

V. Table of allocation of international call sign series

For the reverse list, giving countries and the corresponding international call sign series, see chapter XXIV.

AA - AL	United States of America	G	United Kingdom
AM - AO	Spain	HA	Hungary
AP - AS	Pakistan	HB	Switzerland
AT - AW	India	HC - HD	Ecuador
AX	Australia	HE	Switzerland
AY - AZ	Argentina	HF	Poland
A2	Botswana	HG	Hungary
A3	Tonga	HH	Haiti
A4	Oman	HI	Dominican Republic
A5	Bhutan	HJ - HK	Colombia
A6	United Arab Emirates	HL	Korea (Republic of)
A7	Qatar	HM	Korea (Democratic People's Republic of)
A8	Liberia	HN	Iraq
A9	Bahrain	HO - HP	Panama
B	China and Taiwan	HQ - HR	Honduras
CA - CE	Chile	HS	Thailand
CF - CK	Canada	HT	Nicaragua
CL - CM	Cuba	HU	El Salvador
CN	Morocco	HV	Vatican City State
CO	Cuba	HW - HY	France
CP	Bolivia	HZ	Saudi Arabia
CQ - CU	Portugal	H2	Cyprus
CV - CX	Uruguay	H3	Panama
CY - CZ	Canada	H4	Solomon Islands
C2	Nauru	H6 - H7	Nicaragua
C3	Andorra	H8 - H9	Panama
C4	Cyprus	I	Italy
C5	Gambia	JA - JS	Japan
C6	Bahamas	JT - JV	Mongolia
C7	World Meteorological Organization	JW - JX	Norway
C8 - C9	Mozambique	JY	Jordan
DA - DR	Germany (Federal Republic of)	JZ	Indonesia
DS - DT	Korea (Republic of)	J2	Djibouti
DU - DZ	Philippines	J3	Grenada
D2 - D3	Angola	J4	Greece
D4	Cape Verde	J5	Guinea-Bissau
D5	Liberia	J6	Saint Lucia
D6	Comoros	J7	Dominica
D7 - D9	Korea (Republic of)	J8	Saint Vincent and the Grenadines
EA - EH	Spain	K	United States of America
EI - EJ	Ireland	LA - LN	Norway
EK	Union of Soviet Socialist Republics	LO - LW	Argentina
EL	Liberia	LX	Luxembourg
EM - EO	Union of Soviet Socialist Republics	LY	Union of Soviet Socialist Republics
EP - EQ	Iran	LZ	Bulgaria
ER - ES	Union of Soviet Socialist Republics	L2 - L9	Argentina
ET	Ethiopia	M	United Kingdom
EU - EW	Byelorussia	N	United States of America
EX - EZ	Union of Soviet Socialist Republics	OA - OC	Peru
F	France	OD	Lebanon
		OE	Austria
		OF - OJ	Finland

CALL SIGN ALLOCATIONS 2

OK - OM	Czechoslovakia	VT - VW	India
ON - OT	Belgium	VX - VY	Canada
OU - OZ	Denmark	VZ	Australia
PA - PI	Netherlands	V2	Antigua and Barbuda
PJ	Netherlands Antilles	V3	Belize
PK - PO	Indonesia	V4	Saint Christopher and Nevis
PP - PY	Brazil	V8	Brunei
PZ	Suriname	V9	Anguilla
P2	Papua New Guinea	W	United States of America
P3	Cyprus	XA - XI	Mexico
P4	Aruba	XJ - XO	Canada
P5 - P9	Korea (Democratic People's Republic of)	XP	Denmark
R	Union of Soviet Socialist Republics	XQ - XR	Chile
SA - SM	Sweden	XS	China and Taiwan
SN - SR	Poland	XT	Bourkina Faso
SSA - SSM	Egypt	XU	Kampuchea
SSN - ST	Sudan	XV	Viet Nam
SU	Egypt	XW	Laos
SV - SZ	Greece	XX	Portugal
S2 - S3	Bangla Desh	XY - XZ	Burma
S6	Singapore	YA	Afghanistan
S7	Seychelles	YB - YH	Indonesia
S8	Swan Islands	YI	Iraq
S9	Sao Tome and Principe	YJ	Vanuatu
TA - TC	Turkey	YK	Syria
TD	Guatemala	YL	Union of Soviet Socialist Republics
TE	Costa Rica	YM	Turkey
TF	Iceland	YN	Nicaragua
TG	Guatemala	YO - YR	Romania
TH	France	YS	El Salvador
TI	Costa Rica	YT - YU	Yugoslavia
TJ	Cameroon	YV - YY	Venezuela
TK	France	YZ	Yugoslavia
TL	Central African Republic	Y2 - Y9	German Democratic Republic
TM	France	ZA	Albania
TN	Congo	ZB - ZJ	United Kingdom
TO - TQ	France	ZK - ZM	New Zealand
TR	Gabon	ZN - ZO	United Kingdom
TS	Tunisia	ZP	Paraguay
TT	Chad	ZQ	United Kingdom
TU	Ivory Coast	ZR - ZU	South Africa (Republic of)
TV - TX	France	ZV - ZZ	Brazil
TY	Benin	Z2	Zimbabwe
TZ	Mali	2	United Kingdom
T2	Tuvalu	3A	Monaco
T3	Kiribati	3B	Mauritius
T4	Cuba	3C	Equatorial Guinea
T5	Somalia	3DA - 3DM	Swaziland
T6	Afghanistan	3DN - 3DZ	Fiji
T7	San Marino	3E - 3F	Panama
T9	Virgin Islands (British)	3G	Chile
UA - UQ	Union of Soviet Socialist Republics	3H - 3U	China and Taiwan
UR - UT	Ukrainia	3V	Tunisia
UU - UZ	Union of Soviet Socialist Republics	3W	Viet Nam
VA - VG	Canada	3X	Guinea
VH - VN	Australia	3Y	Norway
VO	Canada	3Z	Poland
VP - VS	United Kingdom	4A - 4C	Mexico
		4D - 4I	Philippines
		4J - 4L	Union of Soviet Socialist Republics

4M	Venezuela	9K	Kuwait
4N - 4O	Yugoslavia	9L	Sierra Leone
4P - 4S	Sri Lanka	9M	Malaysia
4T	Peru	9N	Nepal
4U	United Nations Organization	9O - 9T	Zaire
4V	Haiti	9U	Burundi
4W	Yemen Arab Republic	9V	Singapore
4X	Israel	9W	Malaysia
4Y	International Civil Aviation Organization	9X	Rwanda
4Z	Israel	9Y - 9Z	Trinidad and Tobago
5A	Libya		
5B	Cyprus		
5C - 5G	Morocco		
5H - 5I	Tanzania		
5J - 5K	Colombia		
5L - 5M	Liberia		
5N - 5O	Nigeria		
5P - 5Q	Denmark		
5R - 5S	Madagascar		
5T	Mauritania		
5U	Niger		
5V	Togo		
5W	Samoa (Western)		
5X	Uganda		
5Y - 5Z	Kenya		
6A - 6B	Egypt		
6C	Syria		
6D - 6J	Mexico		
6K - 6N	Korea (Republic of)		
6O	Somalia		
6P - 6S	Pakistan		
6T - 6U	Sudan		
6V - 6W	Senegal		
6X	Madagascar		
6Y	Jamaica		
6Z	Liberia		
7A - 7I	Indonesia		
7J - 7N	Japan		
7O	Yemen (People's Democratic Republic of)		
7P	Lesotho		
7Q	Malawi		
7R	Algeria		
7S	Sweden		
7T - 7Y	Algeria		
7Z	Saudi Arabia		
8A - 8I	Indonesia		
8J - 8N	Japan		
8O	Botswana		
8P	Barbados		
8Q	Maldives		
8R	Guyana		
8S	Sweden		
8T - 8Y	India		
8Z	Saudi Arabia		
9A	San Marino		
9B - 9D	Iran		
9E - 9F	Ethiopia		
9G	Ghana		
9H	Malta		
9I - 9J	Zambia		

VI. Call sign list of utility stations

Listed are

- call sign;
- name of the station, and ITU country/geographical symbol;
- frequency (-ies) in kHz.

An asterisk * indicates a RTTY station or frequency, or RTTY used on this frequency alternately with other type(s) of modulation.

In order to meet the size requirements of a compact reference book, a special collective format is used for this list. Two examples will explain the meaning:

"OST/.. Oostende R, BEL -/2815.5* 2/4298.0 3/6411.0 22/4290.5" means

"OST	Oostende Radio (coastal station), Belgium	2815.5 kHz	RTTY frequency
OST 2	Oostende Radio (coastal station), Belgium	4298.0 kHz	
OST 3	Oostende Radio (coastal station), Belgium	6411.0 kHz	
OST 22	Oostende Radio (coastal station), Belgium	4290.5 kHz"	

"60M* Muqdisho Air, SOM 10109.5" means

"60M RTTY station Muqdisho Aeronautical Fixed Station, Somalia 10109.5 kHz"

AEM 1USA	USA MARS Heidelberg, D	3883.5 3916.7* 16041.5 16044.0*
AFE 8	USAF MacDill AFB, Tampa, FL, USA	13244.0
AFE 70	USAF Cape Kennedy, FL, USA	10780.0
AGA 7ST*	USAF MARS Stuttgart, D	3915.3
AGA 7ZW*	USAF MARS Zweibrücken, D	14392.5
AIC	USAF Clark AFB, Luzon, PHL	4725.0
AJE	USAF Wolvey, G	5217.7 5224.0 5229.5* 5370.5 5373.3 5376.3* 5376.8 6750.0 7565.5 7568.0* 7569.2 7571.8 9011.0 9237.5* 9239.6 9242.2 9916.7 9920.0 9923.0 9926.0 9929.3 10536.9* 10537.8
AJK	USAF Ramstein, D	20160.5
AJO	USAF Adana, TUR	14736.3* 15850.0 15850.8*
AOB 50	LORAN Estartit, E	6943.5
AOK	SN/USN Rota, E	4704.0 5746.5* 5918.5 6370.0* 7665.5 7706.0 8109.5 9875.0 15644.0 17585.0
AQP .	PN Karachi, PAK	2/2457.5 3/4325.0 4/6390.0 5/8490.0 6/13011.0 7/17093.6 8/22425.0
ARA*	Karachi Air/Meteo, PAK	3822.5 5290.0 6888.2 9130.0 14458.0
ASK	Karachi R, PAK	2352.5 3884.4 4250.0 4400.8 4413.2 4425.6 6414.5 6515.7 8658.0 8670.0 8694.0 8725.1 8743.7 8771.6 8811.9 13024.5 13051.5 13141.1 13184.5 13196.9 17050.4 17156.0 17267.0 22676.6 22716.9
ATA	Delhi TS, IND	5000.0 10000.0 15000.0
ATA 55	Delhi Meteo, IND	4993.5
ATB 68*	MEA Delhi, IND	18255.0
ATE 60	Delhi Meteo, IND	10107.5
ATK 58	PTI Delhi, IND	7945.0
ATP 57	Delhi Meteo, IND	7402.5* 7403.0
ATP 65*	MEA Delhi, IND	14785.0
ATQ 38	Delhi Meteo, IND	18233.0
ATQ 66*	OTS Calcutta, IND	14846.0
ATS 61*	OTS Delhi, IND	10535.0
ATU 58*	MEA Delhi, IND	7775.0
ATV 6.	Delhi Meteo, IND	65/14842.0 68/18190.0
AWB*	Bombay Air, IND	5748.0
AWC*	Calcutta Air, IND	8161.4
AWD*	Delhi Air, IND	8071.3

CALL SIGN LIST 2

AXI 3.	Darwin Meteo, NT, AUS	32/5755.0 33/7535.0 34/10555.0 35/15615.0 36/18060.0
AXM 3.	Canberra Meteo, ACT, AUS	32/5100.0 34/11030.0 35/13920.0 37/19690.0
AYA/29*	INTERPOL Buenos Aires, ARG	-/19405.0 29/24110.0
AYO 355*	Comodoro Rivadavia, ARG	10449.2
A3A	Nuku'alofa R, TON	2080.0
A4M	Muscat R, OMA	2604.0 2607.0 3742.0 3745.0 4233.0 4366.7 8445.0 8790.2 12675.5 16868.0
A7D	Doha R, QAT	2601.0 2768.0 3673.0 4231.0 4316.0 4356.0 4382.2 4425.6 8473.0 8630.0 8709.5 8715.5* 8728.2 8796.4 12966.3 13024.0 13100.8 13187.6 16880.0 16935.0 17310.4 22701.4
A7S	GULPECO Doha R, QAT	2370.0
A7S 31	Halul Island R, QAT	2370.0
A9M	Hamala R, BHR	2607.0 2656.0 3745.0 4284.0 4302.0 4350.0* 4394.6 8448.0 8454.0 8716.0* 8718.9 8734.4 12698.0 12709.0 13086.5 13125.6 17169.0 17175.2 17202.0 17285.6 22312.0 22322.0 22584.0 22611.5 9/4042.0 41/9197.5 70/14764.0
A9M ..*	GNA Manama, BHR	
BAA ..*	Beijing Meteo, CHN	8/10320.0 9/5180.5 22/7815.0 23/9193.0
BAC ..*	PTT Beijing, CHN	7/17131.2 24/14602.3 27/10596.0 38/8177.0
BAF ..	Beijing Meteo, CHN	4/10117.0 6/5527.0 8/14367.0 9/16025.0 33/18237.0 36/8122.0 44/7350.0* 47/14340.0
BAL ..*	PTT Beijing, CHN	2/8716.0 21/10609.6+10820.0 32/17403.0 34/6815.0
BAP 46*	XINHUA Beijing, CHN	6915.0
BAT 93*	PTT/XINHUA Beijing, CHN	14760.0
BBA 45*	PTT Shanghai, CHN	10905.0
BC. ..*	PTT Shanghai, CHN	A95/13779.0 Q21/8014.5 X22/10479.5
BDF	Shanghai Meteo, CHN	7420.0 11405.0 11420.0 11435.0 15965.0 16435.0 18940.0
BJZ 2.*	Wuhan Meteo, CHN	20/6950.0 21/7863.0 23/10650.0 25/4482.0 27/5315.0
BLM ..*	Chengdu Meteo, CHN	21/5844.0 22/8190.0 23/10470.0 66/3387.0+4794.3
BMB	Taipei Meteo, TAI	3641.0 5909.0 8117.0 13560.0
BPA 64*	XINHUA Beijing, CHN	9470.0
BPJ ..*	XINHUA Beijing, CHN	22/14938.0 34/7923.0
BPM	Xi'an TS, CHN	5000.0 10000.0 15000.0
BSB ..*	Lanzhou Meteo, CHN	29/6985.0 35/13361.0 52/4905.0
BSF	Taipei TS, TAI	5000.0 15000.0
BZC 75*	Urumqi Meteo, CHN	5190.0 8039.0 11571.8
BZ. ..*	XINHUA Beijing, CHN	G41/11133.0 G48/17443.0 M40/19077.0 P51/11680.0 P54/14367.0 P57/7520.0 P59/9417.0 R62/12265.0 R66/16119.0+16136.0 R67/7650.0 R68/18872.0 R69/9491.0 S21/11606.0 S25/15544.0 S27/7887.0 S28/17470.0 S29/9868.0 T34/14376.0
CAI 7E*	Hanga Roa Air, PAQ	8820.0
CAK*	Santiago Air, CHL	5544.0 11100.0 14600.0
CAN 6D	Presidente Eduardo Frei Montalva Meteo, CHL	5302.5 11662.5 15470.0
CBK*	OPY Right Klingenfuss, D	1987.0
CBM	DGTMM Magallanes R, CHL	4322.0 8696.0 13103.9 13153.5 13172.1
CBM 9	ETAL Punta Arenas R, CHL	4357.4 6506.4 8718.9 13103.9
CBO	DGTMM Punta Corona R, CHL	4247.0 12429.2 13103.9 13153.5
CBV	DGTMM Valparaiso R, CHL	1997.5 4256.0 4265.0 4301.0 4337.0 4349.0 6337.0 6372.0 6379.5 6393.0 6407.5 6414.5 6428.0 6467.0 8453.0 8461.0 8478.0 8522.0 8606.0 12429.2 12663.0 12714.0 12747.5 12768.0 12826.5 12856.0 12898.5 12957.0 13103.9 13131.8 13153.5 13172.1 13178.3 13184.5 16587.1 16851.0 16914.5 16947.6 16956.0 17002.4 17039.0 17325.9 17353.8 22124.0 22360.5 22447.0 22473.0 22546.0 22670.4 22716.9 12429.2 13131.8
CBY	DGTMM Hanga Roa R, PAQ	12429.2 13131.8
CCM*	CN Magallanes, CHL	18143.5

CALL SIGN LIST 3

CCS	CN Santiago, CHL	2804.8* 4764.3* 4766.0 6418.0 6419.5 6981.5 8594.0 8679.5* 13525.0 22071.0
CFH	CF Halifax, NS, CAN	122.5* 4255.0 4271.0* 4363.6 5097.0 5684.0 6330.0* 6430.0 6509.5 8697.0 8746.8 10536.0* 10945.0 12726.0 13187.6 13510.0* 15920.0 16926.5 17251.5 22599.1
CFW	Vancouver R, BC, CAN	2538.0 2558.0 4410.1 6515.7 8759.2
CGA 266	Prince Rupert R, BC, CAN	2060.0 2590.0
CHR	CF Trenton, ONT, CAN	6753.0 15035.0
CHU	Ottawa TS, ONT, CAN	3330.0 7335.0 14670.0
CKN	CF Vancouver, BC, CAN	124.0 3287.0 4268.0 4422.5 6506.4 6944.0 6946.0 8463.0 8774.7 12123.0 12702.0 13141.1 17310.4 22689.0
CLA ..	Habana R, CUB	2/4235.0 3/4225.0 4/6454.0 5/6337.0 20/8496.0 21/8573.0 22/8702.0 30/12748.0 31/12792.0 32/13062.0 33/12673.5 40/16961.0 41/17165.6 50/22396.0 51/22357.5 60/4410.1 62/4357.4 64/8743.7 67/8759.2 68/13150.4 71/13184.5 72/17310.4 75/17316.6 76/22692.1
CLJ	Habana R, CUB	6403.0 6482.0 8541.0 8609.0 12828.0 12838.0 16996.0 17023.0
CLN 21*	PTT Habana, CUB	5160.0
CLN 219*	PL Habana, CUB	8140.0
CLN 447*	PTT Habana, CUB	14640.0
CLN 451*	PL Habana, CUB	14901.0
CLN 530*	PL Habana, CUB	16348.0
CLO	Habana R, CUB	2738.0
CLP 1*	MFA Habana, CUB	10669.5 12257.0 14565.0 14955.5 16081.0 16090.0 18030.0 18472.0 19410.3
CLP 3*	Cuban E Beirut, LBN	19742.5
CLP 5*	Cuban E Moscow, RU, URS	14079.5
CLP 33*	Cuban E Addis Ababa, ETH	16350.0
CLS	Habana F R, CUB	4328.0 4349.0 6360.0 6392.0 8489.0 8516.0 12878.0 12919.0 12954.0 16921.0 17175.2 17189.6 22345.4 22428.0
CLT 3	Nueva Gerona F R, CUB	2694.0
CML 28*	PTT Habana, CUB	10220.0
CND	Agadir R, MRC	1911.0 2593.0
CND 3	Safi R, MRC	1743.0 2635.0
CNM*	MAP Rabat, MRC	20.1X/7842.4 29/10213.0 34X9/10475.2 36X9/10595.2 37.9X/10634.1 59X9/14574.4 61/14760.0 69.1X/15999.9 71.9X/16134.1 76X9/18220.9 80X11/18496.1
CNP	Casablanca R, MRC	2586.0 2663.0 8686.0 8802.6 12695.5 13169.0 17170.4 17347.6
CNR 78	PTT Ad Dakhla, MRC	10501.2
CNW	Tanger R, MRC	1911.0 2635.0
COB 4	Matanzas F R, CUB	2083.0 2836.0
COB 5	Casilda F R, CUB	2406.0
COB 6	Camagüey F R, CUB	2833.0
COB 7	Manzanillo F R, CUB	2030.0
COB 8	Santiago de Cuba F R, CUB	2738.0
COB 20	La Coloma F R, CUB	2315.0
COB 21	Nueva Gerona F R, CUB	2122.0
COB 22	Arroyos de Mantua F R, CUB	2315.0
COB 32	Flota del Golfo F R, CUB	2805.0 4422.5 8725.1
COB 34	Flota Atunera F R, CUB	4382.2 8725.1 13131.8 17248.4 22627.0
COB 35	Batabano F R, CUB	2206.0
COB 36	Flota Cubana F R, CUB	2670.0 4143.6 4382.2 6218.6 8291.1 8725.1 12429.2 13131.8 16587.1 17248.4 22627.0
COB 41	Cienfuegos F R, CUB	2406.0 2839.0 4422.5
COB 42	Cardenas F R, CUB	2836.0
COB 52	Caibarien F R, CUB	2824.0
COB 60	Santa Cruz F R, CUB	2110.0
COB 61	Ciego de Avila F R, CUB	2670.0
COB 62	Nuevitas F R, CUB	2833.0

CALL SIGNLIST 4

COB 72	Puerto Padre F R, CUB	2787.0
COB 90	Holguin F R, CUB	2787.0
COB 94	Gibara F R, CUB	787.0
COL	Habana Air, CUB	7848.0 8840.0 15024.0
CSE	PAF Lisbon, POR	3706.5 7479.5 8054.0
CSY*	Santa Maria Air, AZR	3175.0 5474.0 6999.0 9994.0 10540.2 12323.0 14497.5
CSZ*	Lisbon Air, POR	5445.4 14376.0
CTH ..	PN Horta, AZR	3/13067.0 21/3618.5 47/6331.0
CTN	PN Apulia, POR	13502.0
CTP	NATO Lisbon, POR	3782.0 6389.0 7564.0 8551.6 12702.0 12823.5 16986.0
CTU ..	PN Lisbon, POR	2/12999.5 81/11015.0
CTV 8	PN Lisbon, POR	8642.0
CTW 8	PN Lisbon, POR	8523.5 8526.5*
CUA ..	CPRM Lisbon, POR	44/9097.5 48/9419.0 63/12270.5* 68/13400.0* 69/13420.0
CUB	Funchal R, MDR	1663.5 2843.0 4434.9 8461.0 12943.5 16959.2 22479.0
CUF 55	FMC Pta. Delgada, Flores, AZR	10925.0 18116.0
CUG/..	Ponta Delgada R, AZR	-/1663.5+2742.0+4434.9+8461.0+16959.2+22479.0 27/12943.5 32/4292.0 33/6393.5
CUL/..	Lisbon R, POR	-/2581.0+2694.0+2781.0+3605.0+4394.6+6509.5+8722.0+13107.0+ 17276.3+22614.6 4/4292.0 6/6393.5 7/8490.0 8/8469.0 20/12943.5 22/16959.2 24/22479.0
CUW	PAF/USAF Lajes AFB, AZR	4746.0 7730.0 8967.0 9173.0* 10657.3 10663.6* 11209.0 11226.0 13244.0
CUW 20*	Lajes Air, AZR	5057.5
CWA	Cerrito R, URG	4346.0 6435.5 8602.0 12750.0 16871.3 22312.5
CWC 30	UN La Paloma, URG	2638.0 3860.6 8291.1 12429.2 12432.3 16587.1 16590.2 22124.0 22127.1
CWC 39	UN Montevideo, URG	2638.0 2738.0 3860.6 8291.1 12429.2 12432.3 16587.1 22124.0 22127.1
CWF	Punta Carretas R, URG	2768.5 4357.4 6518.8 8291.1 13128.7 17260.8 22636.3
CWT	Puerto Montevideo R, URG	2125.0 4297.0
CXK*	Montevideo Air, URG	11435.0
CXR*	UN Montevideo, URG	15950.0 20471.5
C2N	Makwa R, NRU	2201.0 6221.6 8686.0 8768.5 17194.0
C6L 8	Morton R, BAH	6221.6 8294.2 12429.2
C6N/2	Nassau R, BAH	-/4220.5+6376.0+8441.0+12752.0 2/2522.0+2558.0
C6N 55	Coral Harbour R, BAH	8740.6
C6X 2	Marsh Harbour R, BAH	2582.0
C9C 3	MN Maputo, MOZ	4307.0
C9C 6	MN Maputo, MOZ	8642.0
C9C 7	MN Maputo, MOZ	13042.5
C9C 8	MN Maputo, MOZ	2601.0
C9C 9	MN Nacala, MOZ	2601.0
C9C 20	MN Pemba, MOZ	2601.0
C9E 2*	Maputo Air, MOZ	3170.0
C9L 2	Maputo R, MOZ	2575.0 4289.0 8698.0 13056.0
C9L 6	Mocambique R, MOZ	4289.0 8698.0 13056.0
DA.	Norddeich R, D	B/8439.0+17082.0 F/4220.5+6363.5+8672.5+12832.5+17048.0+22415.0+ 26227.5 H/4394.6+8802.6+13134.9+17350.7+22661.1 I/4425.6+8777.8+ 13153.5+17335.2+22664.2 J/4397.7+6506.4+8768.5+13172.1+17279.4+ 22614.6 K/4391.5+8762.3+13122.5+17304.2+22710.7 L/4244.0+6456.5+ 8511.9+13027.5+17177.6+22340.3+26340.0 M/4265.0+6475.5+8638.5+ 12763.5+16980.4+22476.0+25196.0 N/1796.0+1799.0+1908.0+1911.0+ 2611.0+2614.0+2727.0*+2799.0+2845.0+2848.0+4308.5+6435.5+8483.5+ 12898.5+17143.6+22515.0+26108.0 P/4357.4+8790.2+13113.2+17260.8+ 22645.6

CALL SIGN LIST 5

DAO	Kiel R, D	1880.0 1883.0 1915.0 1918.0 2772.0 2775.0
DCF*	Norddeich R, D	4356.0 6505.5 8716.0 13086.0
DCF 30*	DPA Hamburg, D	110.6
DCF 37	Offenbach Meteo, D	117.4
DCF 39	DPA Frankfurt, D	139.0
DCF 42*	PIAB-Bonn, D	123.7
DCF 45*	VWD Frankfurt, D	129.1
DCF 54	Offenbach Meteo, D	134.2
DCF 55*	VWD Frankfurt, D	55.3
DCF 60*	EPD/SID Frankfurt, D	140.3
DCF 77	Mainflingen TS, D	77.5
DCL*	Norddeich R, D	4353.0 6500.5 8712.0 13078.5 17219.5
DDG 71*	München Meteo, D	5832.4
DDG 73*	Augsburg Meteo, D	5832.4
DDG 74*	Konstanz Meteo, D	5832.4
DDG 75*	Freiburg Meteo, D	5832.4
DDG 76*	Stuttgart Meteo, D	5832.4
DDG 77*	Regensburg Meteo, D	5832.4
DDH ..	Hamburg Meteo, D	3/3855.0 7/7646.0* 9/11039.0 47/147.3
DDK .	Hamburg Meteo, D	2/4583.0* 3/7880.0 6/13882.5 8/11638.0*
DEB*	INTERPOL Wiesbaden, D	2840.0 3717.0 3735.0 4632.5 4837.5 5208.0 5208.5
DER*	BKA Bonn, D	2296.4
DFC 37	DBP Frankfurt, D	3370.0
DFD 21	DBP Frankfurt, D	4010.0
DFE ..	DW Cologne feeder, D	24/5135.0 25/5195.0 28/5280.0 36/5360.0 86/5868.0
DFE ..	DW Cologne feeder, D	88/6887.0 95/6955.0 97/6975.0
DFG ..	DW Cologne feeder, D	49/7490.0 50/7507.1 76/7767.5 91/7917.5
DFH 23*	PIAB Bonn, D	8132.0
DFH 23L2*	DW Cologne, D	8130.5
DFJ 27*	PIAB Bonn, D	9141.5
DFK 25L1*	DW Cologne, D	10127.4
DFK 92	DW Cologne feeder, D	10922.0
DFL 21	DW Cologne feeder, D	11030.0
DFL 26*	DPA Hamburg, D	11125.0
DFN 48*	DPA Hamburg, D	13482.0
DFN 62L2*	PIAB Bonn, D	13620.5
DFN 92*	PIAB Bonn, D	13926.9
DFP 92*	PIAB Bonn, D	15918.6
DFQ 21L1*	PIAB Bonn, D	16017.4
DFS 70*	DPA Hamburg, D	18700.6
DFS 70L3*	DPA Hamburg, D	18697.5
DFU 26*	PIAB Bonn, D	20060.8
DGN 36	HAB Hamburg, D	13364.0
DHJ 48*	NATO Ramstein, D	3349.6
DHJ 51	Grenge Meteo, D	2195.5* 2342.5 2691.0* 3035.5* 3043.5* 3078.0* 3166.5* 4570.5
		4785.5* 7946.5* 9318.0* 13526.0*
DHJ 59	GN Wilhelmshaven, D	1830.5 2680.5 4283.0 5361.0 6913.0 8648.0
DHL 28*	LKA Bremen, D	5022.0
DHM 44*	Grenge Meteo, D	4903.0
DHM 72	GN FWC Glücksburg, D	3049.5
DHM 91	GAF Münster, D	5088.0
DHM 95	RCAF Lahr, D	5690.0 13231.0
DHN 37*	Grenge Meteo, D	1747.0 2822.0 3073.5 4963.5
DHO 35	GAF Eggebek, D	2429.0
DHO 38*	GN West Rhaderfehn, D	23.4
DSB	Pusan F R, KOR	1920.0 2015.0 2091.0 2583.0 2595.0 2735.0 2812.5 3224.0 3871.0
DSC	Mokpo F R, KOR	1907.5 2537.0 2583.0 3355.0
DSD	Yosu F R, KOR	2107.5 2521.1 2530.0 2560.0 2583.0
DSQ	Inchon F R, KOR	2040.0 2438.0 2521.1 2590.0
DSR 52	Geojin F R, KOR	2027.0
DSV	Fupo F R, KOR	2521.1 2537.0

CALL SIGN LIST 6

DUF	Manila R, PHL	4238.0 6357.0 8476.0 12714.0 16952.0
DUN	PN Manila, PHL	4244.0 4344.0 6366.0 8488.0 8688.0 12732.0 13032.0 16976.0 22351.5 22402.0
DUS	Manila R, PHL	4242.0 6363.0 8484.0 12726.0 16968.0
DUW	Manila R, PHL	4248.0 6372.0 8496.0 12744.0 16992.0
DVB 4	Malabon R, PHL	8756.1
DVC 8	Navotas R, PHL	8746.8
DVD 3	Manila R, PHL	8241.5
DVF 7	Navotas R, PHL	6506.4
DVG 2	Quezon City R, PHL	8762.3
DVG 8	Quezon City R, PHL	8718.9
DVG 9	Albay R, PHL	8718.9
DKV 78	Tacloban, PHL	6895.0
DVM 2	Makati R, PHL	4298.0 6447.0 8596.0 12894.0
DVM 4	Manila R, PHL	6332.5 8668.0
DVP 3	Quezon City R, PHL	8722.0
DVP 7	Navotas R, PHL	6203.1
DVR 3	Manila R, PHL	6506.4 8722.0
DVR 5	Caloocan City R, PHL	8799.5
DVR 8	Navotas R, PHL	8762.3
DVR 9	Navotas R, PHL	6200.0 8749.9
DVM 2	Manila R, PHL	8753.0
DVM 9	Quezon City R, PHL	6506.4
DVY 2	Manila R, PHL	4268.0 6402.0 8536.0
DVY 4	Malabon R, PHL	8737.5
DVZ 6	Malabon R, PHL	4282.0 8564.0
DVZ 9	Navotas R, PHL	4222.0 6332.5 8704.0
DWI 35	Davao, PHL	9143.5
DWI 45	Cotabato, PHL	9143.5
DXD 9	Davao R, PHL	4334.0 6332.5 8668.0 13002.0
DXE 7	Cotabato R, PHL	6203.1
DXF	Davao R, PHL	8600.0 12900.0 16962.5
DXS 3	General Santos City R, PHL	6509.5 8731.3
DYC 7	Bacolod R, PHL	6203.1 8799.5
DYD 2	Cebu R, PHL	4326.0 6489.0 8652.0 12978.0
DYD 8	Bacolod R, PHL	8504.0
DYE .	Cebu R, PHL	674226.0+8443.0+13068.0 9/4226.0+6341.5+8680.0+13020.0
DYF 5	Negros R, PHL	8731.3
DYM	Cebu R, PHL	4338.0 6338.5 8676.0 13014.0
DYP	Cebu R, PHL	4310.0 8620.0 8793.3 12930.0 16902.5
DYS .	Cebu R, PHL	2/8247.7 9/4363.6+8771.6
DYT 3	Cebu R, PHL	8765.4
DYT 4	Bacolod R, PHL	8811.9
DYU 3	Roxas R, PHL	8796.4
DYV	Iloilo R, PHL	4316.0 4391.5 6474.0 8632.0 12948.0
DYV 9	Victorias R, PHL	6462.0 8616.0
DYX 6	Bacolod R, PHL	6210.4
DZA	Mandaluyong R, PHL	6408.0 8608.0 12816.0
DZB 3	Manila R, PHL	8790.2
DZB 7	Malabon R, PHL	4260.0 6390.0 8520.0
DZC 2	Navotas R, PHL	8753.0
DZC 4	Makati R, PHL	8447.0
DZC 7	Malabon R, PHL	8725.1
DZD	Antipolo R, PHL	4286.0 6429.0 8572.0 12858.0 17144.0
DZD 2	Navotas R, PHL	8793.3
DZD 3	Manila R, PHL	4270.0 6405.0 8540.0 12810.0 17080.0
DZD 4	Manila R, PHL	8771.6 13107.0
DZD 8	Manila R, PHL	8749.9
DZD 9	Quezon City R, PHL	4224.0 8439.0
DZE	Mandaluyong R, PHL	4268.0 6402.0 8536.0 12804.0 17072.0
DZE 4	Malabon R, PHL	6344.5 8762.3
DZF	Bacoar R, PHL	4274.0 6411.0 8545.0 8548.0 12828.0

CALL SIGN LIST 7

DZH/2	Manila R, PHL	-/4324.0+6486.0+8648.0+12972.0 2/6329.5+8664.0
DZI	Bacoar R, PHL	2080.0 4336.0 4382.2 6335.5 6518.8 8672.0 8768.5 13008.0 13159.7 22335.5
DZJ	Bulacan R, PHL	4330.0 4410.1 6221.6 6326.5 6512.6 8294.2 8604.5 8660.0 8759.2 12435.4 12990.0 13100.8 16878.5 22323.5
DZJ 7	Makati R, PHL	6325.5 13008.0
DZK	Bulacan R, PHL	4296.0 6444.0 8592.0 12888.0 17184.0
DZK 3	Manila R, PHL	2638.0 4357.4 8722.0
DZL 9	Manila R, PHL	6509.5 8805.7
DZM	Bulacan R, PHL	4328.0 6492.0 8656.0 12984.0
DZM 6	Makati R, PHL	8799.5
DZM 9	Manila R, PHL	4139.5 8284.4
DZN	Navotas R, PHL	6468.0 8584.0 12936.0 17168.0 22538.0
DZN 3	Navotas R, PHL	8737.5
DZN 4	Manila R, PHL	4348.0 8696.0 13044.0
DZN 9	Navotas R, PHL	8787.1
DZO	Bulacan R, PHL	4290.0 4382.2 6435.0 6518.8 8580.0 12429.2 12870.0 13159.7 17160.0
DZO 7	Malabon R, PHL	6200.0
DZO 9	Manila R, PHL	4346.0 8692.0 13038.0
DZP	Novaliches R, PHL	4278.0 6417.0 8556.0 12834.0 17112.0
DZQ 9	Navotas R, PHL	8725.1
DZR 2	Navotas R, PHL	6200.0 8771.6
DZS 4	Manila R, PHL	4413.2 8774.7
DZU	Pasig R, PHL	4318.0 6477.0 8636.0 12954.0
DZV 7	Navotas R, PHL	4428.7 6210.4
DZW	Manila R, PHL	4262.0 6218.6 6393.0 8291.1 8524.0 12429.2 12786.0 17048.0 22438.0
DZY 7	Manila R, PHL	4256.0 6384.0 8512.0 12768.0 17024.0 22426.0
DZZ/2	Manila R, PHL	-/4288.0+4410.1+6432.0+6512.6+8576.0+8740.6+12864.0+13100.8+ 17152.0+22490.0 2/8201.2
D3E/..	Luanda R, AGL	-/2601.0+4143.6+4394.6+6218.6+8722.0+8756.1+12429.2+13107.0+ 17276.3+17338.3+22124.0+22614.6 41/6369.0 51/8565.0 52/8694.0 61/12780.0 62/13023.0 71/17189.6 81/22330.5
D4A/.	Mindelo R, Sao Vicente, CPV	-/2439.0+2601.0+2645.0+4394.6+8756.1+13119.4+17338.3 5/6488.0 6/8469.0 7/8642.0+12700.0+12993.0 8/13047.0+17055.6
D4B*	Amilcar Cabral Air, Sal, CPV	6865.9 9154.0 14508.0
D4D	Praia R, Santiago, CPV	2341.0 2439.0 4292.0 4410.1 8469.0 8777.8 12700.0 13153.5 17301.1
D6B ...	PTT Moroni, COM	80/17487.4+17492.0*+17496.8+17500.0 403/20341.0+20344.4 408/20811.1+20818.0*+20823.7
EAB	Bagur R, E	1740.0 2714.0
EAC	Tarifa R, E	1678.0 2610.0
EAD/..	Aranjuez R, E	-/4349.0+8717.5 2/6382.2 3/8682.0 4/13065.0 5/17184.8 6/22446.0 44/12887.5
EAF	Finisterre R, E	1698.0 2806.0
EAL	Las Palmas R, CNR	1750.0 2820.0
EAS	Cabo Penas R, E	1757.5 2649.0
EAT	Tenerife R, CNR	1720.0 2606.0
EAV	Cabo de la Nao R, E	1690.0 2799.0
EBA	SN Madrid, E	2812.0* 2841.0 3790.0 4261.0 6388.0* 6408.5 6861.0* 6930.0 8528.5* 12693.0* 13059.0* 14641.0 17018.0 17019.0* 20148.0* 6840.0 7926.0 12008.0 6918.5
EBC	SN Cadiz, E	6840.0 7926.0 12008.0
ECA 7	Madrid Meteo, E	6918.5
EDC 7	Las Palmas Meteo, CNR	13368.0
ED./..	Aranjuez R, E	F/4235.5 F2/6330.0 F3/8473.0 F4/12673.5 F5/16942.8 F6/22384.0 F44/12691.0 G2/6337.0 G3/8457.0 G4/13056.0 G5/17175.2 J6/17200.0* K5/13082.0* Z/4269.5 Z2/6400.5 Z4/8618.0 Z5/12934.5 Z6/17064.8 Z7/22533.0

CALL SIGNLIST 8

EEQ*	INTERPOL Madrid, E	5208.0 10295.0
EHG	Guardia Civil Sevilla, E	5320.0 5321.5* 5861.5*
EHG 6*	Guardia Civil Palencia, E	5911.5
EHK	Lingenfuss Copyright, D	1987.0
EHM*	Guardia Civil Zaragoza, E	5289.0
EHO 5*	Guardia Civil Gerona, E	5781.5
EHY	Pozuelo del Rey R, E	4372.9 4376.0 4388.4 6515.7 8725.1 8728.2 8746.8 8765.4 13100.8 13128.7 13175.2 13181.4 17322.8 17335.2 17344.5 17350.7 22596.0 22667.3 22682.8
EHY 78	PTT Madrid, E	19154.0
EIL	IN Haulbowline, IRL	2135.0
EIP*	Shannon Air, IRL	8145.0
EJK	Valentia R, IRL	1827.0 2590.0 2614.0
EJM	Malin Head R, IRL	1618.0 1841.0 2593.0
ELC	Monrovia R, LBR	8518.0 12709.0 16983.0 17146.4 22491.0
ELE 25*	USLRC Harbel, LBR	15940.0
ELH	Harbel R, LBR	4240.0 4379.1 8600.0 8799.5
ELRB*	Monrovia Air, LBR	5393.5 9252.2
ELZ	Cape Palmas R, LBR	4323.6 8606.0 12995.3 16930.8 22416.0
EPD*	Tehran Air, IRN	5107.0 12065.0
EPJ/2*	IRNA Tehran, IRN	-/18560.0 2/19980.0
EPX 9*	IRNA Tehran, IRN	7800.0
EQA	Abadan R, IRN	3247.0 3297.0 4376.0 17245.3
EQG	Ghosbeh R, IRN	2065.0 4428.7 4434.9 13141.1
EQI	Abbas R, IRN	2506.0 4403.9 8731.3 17279.4 22443.0 22701.4
EQK	Khoramshahr R, IRN	2506.0 4379.1 17307.3 22443.0 22608.4
EQL	Anzali R, IRN	3247.5 4262.0 4366.7 6355.0 8534.0 8777.8 13101.0
EQM	Bushire R, IRN	3202.0 4349.0 4369.8 6425.0 8698.0 8746.8 12700.0 17319.7 22602.2
EQN	Khomeini R, IRN	2093.0 4349.0 4360.5 6425.0 8698.0 8805.7 12700.0 13193.8 22695.2
EQO	Nowshahr R, IRN	2065.0 4262.0 4388.4 6355.0 8534.0 8768.5 13101.0
EQP	Golmankhaneh R, IRN	2065.0 4262.0 4428.7 4434.9 6355.0 8534.0 13101.0 13141.1
EQQ	Khark R, IRN	3202.0 4349.0 4385.3 6425.0 8698.0 12700.0 13159.7
EQR	Lavan R, IRN	4416.3
EQY	IOEPC Mahshahr R, IRN	4293.5
EQZ	IORC Abadan R, IRN	2507.5 4428.7 8471.0 13141.1 16983.2 17285.6
ETC	Assab R, ETH	4363.6 6340.5 6518.8 8618.0 8731.3 12673.5
ETD 3*	Addis Ababa Air, ETH	5187.2 6736.0 6912.0 7838.2 12174.2
ETG 60	Addis Ababa Air, ETH	7595.0
FAC 20	FA Metz, F	4031.0
FDC	FAF Metz-Frescaty, F	2844.0 3814.0* 4613.0
FDC 3	FAF Dijon, F	3659.5 4042.0 7319.0 7378.0 7678.0 9295.0
FDG 2	FAF Mont-de-Marsan, F	3188.0 3832.5 4914.5
FDG 21	FAF Cognac, F	3702.0 4562.6 6871.5 7514.5
FDI	FAF Aix, F	3976.6* 4783.0 5834.5 7816.5
FDI 8	FAF Nice, F	4467.5
FDX*	FAF Paris, F	3158.1 3900.0
FDY	FAF Orleans, F	3326.0 3347.0 3790.0 3817.0 3993.0* 4015.0 4042.5 4518.0 4559.5 4640.0 4777.5 4957.5 5087.5 5092.5* 5184.0 5214.5 5370.0* 5448.0 5626.5 5868.0 5925.0 6768.0 6970.5 7378.0 7502.5 7521.5* 7522.3 7583.5 7671.1* 7722.5 7727.0* 7727.5 7917.0 7960.0 7998.0* 8003.0 8070.0* 8134.5 8140.0 9316.5 9341.0* 9806.3 9900.0 10470.5* 10671.0 10912.0 10966.5 10967.1* 11415.0* 11444.6* 12175.0* 12310.6* 15665.5* 20863.0*
FFB	Boulogne-sur-Mer R, F	1694.0 1771.0 2747.0 3795.0
FFC	Arcachon R, F	1820.0 1862.0 2775.0 3722.0
FFD	Saint Denis R, REU	2600.0
FFH	Paris TS, F	2500.0

CALL SIGN LIST 9

FFL ..	Saint Lys R, F	2/4328.0 3/6421.5 4/8522.5 6/12912.6 8/17027.0 9/22509.0 21/4366.7 22/4403.9 23/4369.8 24/4413.2 41/8808.8 42/8793.3 43/8768.5 44/8802.6 61/13178.3 62/13187.6 63/13193.8 64/13165.9 81/17316.6 82/17332.1 83/17242.2 84/17288.7 91/22673.5 92/22605.3 93/22701.4 94/22689.0
FFM	Marseille R, F	1906.0 1939.0 2628.0 3795.0
FFO	Saint Nazaire R, F	1687.0 1722.0 2740.0 3795.0
FFP	Fort de France R, MRT	2545.0
FFS .	Saint Lys R, F	4/8510.0 6/12678.0 8/17040.8 9/22318.5
FFT ..	Saint Lys R, F	4/8550.0 6/12655.5 8/16947.6 31/6501.0* 32/6499.5* 41/8708.5* 43/8713.5* 44/8717.5* 61/13074.5* 64/13097.5* 81/17201.0* 82/17212.0* 83/17222.5* 91/22563.0* 92/22575.5*
FFU	Brest - Le Conquet R, F	1673.0 1806.0 1876.0 2691.0 2726.0 3722.0
FGB 55	FMC Biscarrosse, F	10680.0
FIT 11*	Carcassonne Prefecture, F	5786.0
FIT 35*	Rennes Prefecture, F	2301.0
FIT 37*	Tours Prefecture, F	4818.0
FIT 38*	Grenoble Prefecture, F	3174.0
FIT 57*	Metz Prefecture, F	7304.0
FIT 75	Paris Prefecture, F	3222.5* 4515.0* 4965.0* 5085.0 5145.0* 5210.0* 5302.5 5380.0 5786.0* 7565.0
FIT 89*	Auxerre Prefecture, F	4891.0
FIT 94*	Creteil Prefecture, F	4945.0
FJA/..	Papeete R, Tahiti, OCE	-/1755.0+2620.0+2845.0+4403.9+8805.7+17245.3 8/8461.0 26/17040.8 41/4298.0
FJN	Dzaoudzi R, MYT	2663.0
FJP ..	Noumea R, NCL	2/2197.5 4/4366.7 6/6330.0 7/6506.4 8/8698.0 9/8731.3 23/12709.0 24/13113.2
FJY 2*	DGT Port-aux-Francais, KER	20116.0
FJY 4	Martin de Vivies R, AMS	2506.0 4287.0 4388.4 8690.0 8793.3 12722.0
FPM 4	DGT Paris, F	12132.0 12146.2
FPN 72H.*	AFP Paris, F	72H1/13728.3 72H3/13729.7
FPO 74	DGT Paris, F	14750.4 14754.0
FPP 97.*	AFP Paris, F	97F/15978.4 97G/15977.0
FPQ*	DIPLO Paris, F	16106.0
FSB/..	INTERPOL Paris, F	-/3714.0*+3717.0*+4837.5*+5104.0*+5208.0*+5305.5*+6905.0*+ 7428.0*+8038.0*+8045.0*+12224.5*+15684.0 51/2840.0* 53/4632.5* 54/6792.0* 55/7532.0 57/10390.0* 62/19360.0 63/19405.0* 71/10295.0*
FTF 84B.H.*	AFP Paris, F	84B.H1/5839.6 84B.H3/5841.0
FTG 83	DGT Paris, F	6830.0
FTI 2H.*	AFP Paris, F	2H1/8022.3 2H3/8023.7
FTJ 39A..*	AFP Paris, F	39A.F/9397.8 39A.G/9396.4
FTJ 78*	DIPLO Paris, F	9788.0
FTK 56A	AFP Paris, F	10562.2
FTK 61H.*	AFP Paris, F	61H1/10614.3 61H3/10615.7
FTK 64	DGT Paris, F	10646.0
FTM 2.	DGT Paris, F	22/12221.0 25/12253.0 26/12266.2
FTN 99*	DIPLO Paris, F	13998.0
FTO 35	DGT Paris, F	14351.5 14356.9* 14357.5 14360.4 14363.8
FTO 77	DGT Paris, F	14771.3 14777.5* 14783.9
FTO 79A.H.*	AFP Paris, F	79A.H1/14794.3 79A.H3/14795.7
FTQ 39*	DIPLO Paris, F	16397.5
FTQ 41	DGT Paris, F	16417.8 16420.3
FTS 51	DGT Paris, F	18515.0
FTS 77*	DGT Paris, F	18770.0
FTS 78*	DIPLO Paris, F	18785.0
FTT ..	DGT Paris, F	69/19693.0+19696.3 85/19855.5
FTU 88*	DIPLO Paris, F	20078.0
FTU 31*	DIPLO Paris, F	20315.0
FTU 86	DGT Paris, F	20854.0 20863.2
FTW 91*	DIPLO Paris, F	22915.0

CALL SIGN LIST 10

FUB	FN Paris, F	62.6* 2063.0* 4325.0* 4400.8 4413.2 8749.9 8802.6 13110.1 13165.9 17245.3 17282.5 22639.4 22648.7
FUE*	FN Brest, F	4334.0 6490.0 8590.0 12741.0
FUF	FN Fort de France, MRT	3172.5 4054.0 6388.0 6687.0 8187.0 8478.5 12893.0* 13031.2 16961.5 17108.0* 22390.0
FUG	FN La Regine, F	3859.0* 4313.0 5942.0* 6352.0 7619.0* 8666.0 12875.0 16876.0 20270.0*
FUJ	FN Noumea, NCL	4271.0 8657.0 9290.0* 22461.0
FUM	FN Papeete, Tahiti, OCE	6462.0 8625.0 12664.5 17180.0
FUO	FN Toulon, F	2607.0 3256.0 4390.0 5217.0* 6984.0
FUV	FN Jibuti, DJI	8992.5 13042.5 16905.0 22447.0
FUX	FN Le Port, REU	8475.5 13215.5 16915.0
FVA 80	Rosny sur Bois Gendarmerie, F	4061.5 5779.0 7576.0
FVC 20	Orleans Gendarmerie, F	4502.0 4503.5*
FVC 25	Montargis Gendarmerie, F	4502.0 4503.5*
FVC 27	Pithiviers Gendarmerie, F	4502.0
FVL 20	Limoges Gendarmerie, F	3355.0
FVV 47	Gap Gendarmerie, F	4502.5* 4504.0
FYE 5*	DIPO Paris, F	4059.5 8119.0
FYM 5	DGT Paris, F	12153.0
GBR	Rugby TS, G	16.0
GCC	Cullercoats R, G	1838.0 2719.0 2828.0 3608.3* 3750.0
GFA 2.	Bracknell Meteo, G	21/3289.5 22/4610.0 23/8040.0 24/11086.5 25/14582.5
GFE 2.	Bracknell Meteo, G	21/4782.0 22/9203.0 23/14436.0 24/18261.0 25/2618.5
GFL 2.*	Bracknell Meteo, G	22/6835.0 23/9886.5 24/14356.0 25/18230.0 26/4367.6+4489.0+5075.9
GFW	RAF Akrotiri, CYP	4730.0 11234.0 18018.0
GHD	Gallan Head R, G	1856.0 1866.0 2667.0 3607.8*
GHH*	Jamestown Meteo, SHN	6824.0 17413.3 22777.5
GK. ..	Portishead R, G	A2/4286.0 A3/6368.9 A4/8545.9 A5/12822.0 A6/17098.4 A7/22467.0 B2/4274.0 B3/6379.5 B4/8559.5 B5/12835.4 B6/17113.0 B7/22448.7 C2/4251.5 C3/6407.5 C4/8516.0 C5/13019.8 C6/16954.4 C7/22407.3 D2/4256.0 D3/6428.5 D4/8569.0 D5/12788.5 D6/16974.6 D7/22432.0 E2/4350.5* E3/6495.0* E4/8705.5* E5/13072.0* E6/17198.0* E7/22562.0 F5/12815.0 G2/4267.9 G3/6469.3 G4/8591.5 G5/12790.0 G6/17072.0 G7/22503.0 H2/4314.5 H3/6470.8 H4/8604.0 H5/12791.5 H6/17092.0 H7/22525.5 I2/4317.5 I3/6472.3 I4/8606.0 I5/12858.0 I6/17151.2 I7/22528.5 J2/4326.5 J3/6477.5 J4/8684.0 J5/12871.5 J6/16918.8 J7/22545.0 K2/4336.0 K3/6342.0 K4/8552.0 K5/13006.5 K6/17167.5 K7/22494.0 L4/8714.5* M2/4316.0 M3/6397.0 M4/8581.6 M5/12714.0 M6/17136.8 M7/22527.0 N2/4314.9 N3/6395.9 N4/8580.5 N5/12712.9 N6/17135.7 N7/22525.9 O2/4316.9 O4/8582.5 O5/12714.9 O6/17137.7 O7/22527.9 P2/4353.5* P3/6500.0* P4/8711.0* P5/13085.0* P6/17215.0* P7/22578.0* Q3/6505.0* Q4/8718.0* Q5/13099.0* Q6/17231.0* S5/12770.0* S6/16882.5* T20/4385.3 T22/4360.5 T26/4372.9 T42/8722.0 T51/13100.8 T52/13103.9 T56/13116.3 T62/17236.0 T66/17248.4 T76/22611.5 U46/8765.4 U49/8774.7 U61/17263.9 U65/17276.3 U68/17285.6 U70/22654.9 U72/22630.1 U74/22636.3 V26/4434.9 V42/8784.0 V46/8796.4 V50/13190.7 V54/13172.1 V58/13184.5 V63/17301.1 V77/22676.6 V79/22682.8 W41/8811.9 W52/13196.9 W60/17353.8 W62/17329.0 W67/17344.5 X70/22716.9 Y6/17218.0*
GKR	Wick R, G	1672.0* 1706.0 1827.0 2604.0 2625.0 2705.0 3610.0
GKZ	Humber R, G	1869.0 2684.0 3738.0 3778.0
GLO	Land's End R, G	1706.0 1841.0 2696.7* 2719.0 2782.0
GMP*	INTERPOL London, G	2840.0 4632.5 5208.0 6905.0 7401.0 10295.0
GND	Stonehaven R, G	1856.0 1946.0 2691.0 2779.0 3615.7* 3617.0 3666.0
GNF	North Foreland R, G	1848.0 2698.0 2733.0 3607.3*
GNI	Niton R, G	1834.0 2628.0 2810.0 3517.0*
GNK	Norwick R, G	1824.0 2832.7*
GPK	Portpatrick R, G	1883.0 2607.0 3610.0
GXH	RN/USN Thurso, G	3724.0 3731.0 4001.0 7504.5 8000.0 12691.0 18245.0

CALL SIGNLIST 11

GXQ*	BA London, G	4500.0 4923.0 5102.0 5930.0 7474.0 7680.0 9092.0 9147.0 10855.0 10890.0 11411.5 13695.0 14705.0 14807.0 15945.0 18410.0
GXW	RN Portland, G	3188.6
GY./.	RN London, G	A/2835.0*+3207.5*+3435.3*+4150.0*+4246.3*+4301.0*+5422.5*+ 6414.5*+6434.8*+8334.0+8493.3*+9059.0+12740.3*+16115.0+16889.6*+ 16937.3*+16938.6 A1/2813.6 B/82.8 C2/4300.2 C3/6413.7 C4/8613.2 C5/12807.7 C6/17030.4 C7/22454.2 D/12115.0* D3/6436.6 E/15901.0* 4221.3 4366.7 4892.5* 5229.0 6371.2 6509.5 6865.0* 7392.5* 7747.5 7770.0* 8625.2 8737.5 9065.0 9420.0* 10346.0* 10615.0* 12227.5* 12325.0* 12824.2 13134.9 13473.0* 13942.5* 14759.0 15737.0* 15760.0 16987.2 17263.9 17468.0 22630.1 5400.0
GYU	RN Gibraltar, GIB	2/4247.6 6/3436.6 40/8494.6 44/12741.6
GZU	RN Petersfield, G	
GZZ ..	RN London, G	
HAM	Budapest Air, HNG	7910.8
HAR/6	Budapest R, HNG	-/4239.0+4241.0+4331.0+4385.3+4403.9+4422.5+4431.8+6375.0+6390.0+ 6506.4+6512.6+6518.8+8451.0+8458.0+8466.0+8616.0+8749.9+8756.1+ 8784.0+8793.3+8802.6+12780.0+12963.0+12972.0+13103.9+13122.5+ 13141.1+13184.5+16938.0+17128.0+17130.0+17239.1+17282.5+17313.5+ 17329.0+22390.0+22500.0+22596.0+22599.1+22630.1+22710.7 6/2581.6+ 4143.6+6218.6+6221.6+8291.1+8294.2+12429.2+12432.3+16587.1+ 22124.0+22127.1
HBD 20*	MFA Berne, SUI	5757.0 7661.7 9167.8 13576.4 13585.2 16107.5
HBD 21*	Swiss E Rome, I	8005.1
HBD 44*	Swiss E Stockholm, S	13576.4
HBD 49*	Swiss E Budapest, HNG	9167.8
HBD 71*	Swiss E Tel Aviv, ISR	13585.2
HBG	Nyon TS, SUI	75.0
HCG	Guayaquil R, EQA	6456.0 8474.0 12711.0 16948.0
HD 210A	Guayaquil TS, EQA	3810.0 5000.0 7600.0
HE./..	Berne R, SUI	B/4259.0+8601.5+13023.7+16863.3+22362.5 B13/13103.9 B14/4379.1 B17/17263.9 B18/8784.0 B23/13181.4 B24/4428.7 B27/17276.3 B28/8790.2 B33/13190.7 B34/4422.5 B37/17325.9 B38/8811.9 B43/13128.7 B47/17298.0 B48/8725.1 B52/22636.3 B62/22692.1 B72/22654.9 C13/13080.0* C14/4352.5 C17/17205.0* C18/8709.0* C24/4355.5 C27/17221.0* C28/8714.0* C38/8717.5* C52/22566.5 60/13205.0 81/18023.0 28/2840.0 46/4632.5 47/4837.5 52/5208.0 53/5305.5 72/3717.0 74/7401.0
HEE ..	Berne Air, SUI	
HEP ..*	INTERPOL Zürich, SUI	
HGG 31*	MTI Budapest, HNG	9114.0
HGH 29*	MTI Budapest, HNG	10911.0
HGM 36*	MTI Budapest, HNG	15670.0
HGX 21*	MFA Budapest, HNG	3699.7 5477.1 5796.7 6800.0 8160.0 8169.9 10398.0 10414.0 12263.9 14810.0 16441.8 20015.1
HIA	Santo Domingo Pilot R, DOM	2638.0 8642.0 13087.5
HIW 7	Boca Chica Pilot R, DOM	8641.0
HIW 8	Puerto Plata Pilot R, DOM	8641.0
HKB	Barranquilla R, CLM	2046.0 2053.0 4277.0 4372.9 6463.5 8700.4 8796.4 13087.5 13107.0 17004.0 17276.3
HKC	Buenaventura R, CLM	2049.0 3282.0 4325.0 4372.9 6386.5 8574.0 8796.4 12853.5 13107.0 17045.6 17276.3
HLA	Taejon TS, KOR	2500.0 5000.0
HLC	Inchon R, KOR	2050.0 2157.5 2284.0 2590.0
HLF	Soul R, KOR	4273.0 6344.0 12916.5 17079.0 22395.0
HLG	Soul R, KOR	4308.0 6451.0 8473.0 12935.0 17118.0 22482.0

CALL SIGN LIST 12

HLH	Kangnung R, KOR	2040.0 8513.0
HLJ	Soul R, KOR	8484.0 8497.0 12727.0 16910.0
HLK	Gangreung R, KOR	2050.0 2836.0 3375.0
HLM	Mokp'o R, KOR	2357.0
HLN	Kunsan R, KOR	2040.0 2157.5 2507.0
HLO	Soul R, KOR	8577.0 12843.0 16990.0
HLP	Pusan R, KOR	2050.0 2460.0 4235.0
HLS	Soul R, KOR	4357.4 4413.2 6509.5 6518.8 8725.1 8799.5 13138.0 13187.6 17335.2 17344.5 22620.8 22661.1
HLU	Taeha-dong R, Ullung do Island, KOR	1920.0 2009.0
HLW/.	Soul R, KOR	-/8636.0+13005.5+17130.0 2/12923.0 3/12712.0
HLX	Soul R, KOR	12735.0
HLY	Yosu R, KOR	1907.5 2044.0 2191.0 2560.0
HMF ..*	KCNA Pyongyang, KRE	26/15633.0 28/12216.0 32/14568.0 35/13780.0 36/13580.0 42/12175.0 45/10524.0 46/10580.0 49/11536.0 52/11475.0 55/11430.0 57/11452.0 84/9395.0 85/8020.0 86/8152.0
HMY ..*	PTT Pyongyang, KRE	47/17397.0 56/10762.8
HOR 24	REFPA Panama R, PNR	4136.3 8281.2 12428.0 16572.0
HPP/20	Panama R, PNR	-/4275.0+4338.5+6423.5+6479.0+8589.0+8602.5+12699.0+13049.5+ 13075.0*+16869.0+17027.5+22454.0+22499.0 20/2507.7+2740.0+4357.4+ 4428.7+6509.5+8768.5+8774.7+13110.1+13196.9+17276.3+17298.0+ 22602.2+22617.7
HPQ 21	Panama Port R, PNR	2638.0 2738.0 4139.5 4357.4
HSA ..	Bangkok R, THA	2/8686.0 3/12800.0 4/8573.5 6/2686.0 7/2746.0 8/4357.4 20/6518.8 21/8759.2 23/4348.5
HSC 62	Bangkok Port R, THA	8466.0
HSD*	Bangkok Air, THA	10654.3 13743.8
HSJ 31*	CAT Bangkok, THA	7955.0
HSP .	Phuket R, THA	3/2629.0 4/2719.0 5/2821.0
HSW 6.	Bangkok Meteo, THA	61/17520.0+17521.0* 62/10298.0* 63/10169.0* 64/7395.0* 69/6765.0
HV.*	PTT Vatican City, CVA	D/8097.5 N/14560.0
HWN	FN Paris, F	4232.0 5385.0 6348.0 8453.0 13235.5 17180.0
HZG	Dammam R, ARS	1780.0 1825.0 4253.5 4278.0 4309.0 4372.9 4382.2 6364.5 6387.0 6466.0 6506.4 6512.6 8484.5 8556.5 8651.0 8740.6 8749.9 12658.2 12752.5 12792.0 13103.9 13169.0 16860.8 16953.0 17062.0 17236.0 17257.7 22338.2 22427.0 22484.0 22661.1 22689.0
HZH	Jeddah R, ARS	1726.0 1856.0
HZJ*	Jeddah Air, ARS	3999.0 5733.0 8094.8 13752.0 14370.5
HZN/4.	Jeddah Meteo, ARS	-/5452.0+5740.0*+10296.0+12245.0* 46/4570.0* 47/7625.0* 48/10215.0* 49/17590.0*
HZY	ARAMCO Ras Tanura R, ARS	8480.0 12811.3 16960.0
H4H .	Honiara R, SLM	4/2167.0 6/6221.6 7/8294.2 8/12700.0
IAM	Rome TS, I	5000.0
IAR/..	Rome R, I	-/4350.0*+4356.5*+4360.5+4416.3+4425.6+6509.5+6515.7+8706.5*+ 8714.5*+8759.2+8774.7+8777.8+8796.4+13091.5+13116.3+13138.0+ 13153.5+13190.7+17211.0*+17239.1+17279.4+17304.2+22627.0+22664.2+ 22707.6 2/22376.0 3/13015.5 4/4320.0 6/6409.5 7/16895.5 8/8670.0 22/22372.5 23/13011.0 24/4292.0 26/6418.0 27/17160.8 28/8530.0 32/22378.0 33/12996.0 37/17005.0 38/8656.0
IBA	USN Napoli, I	9205.4
IBB*	NATO Verona, I	6784.4
IBF	Torino TS, I	5000.0
IBH	USAF Vicenza, I	9205.4

CALL SIGN LIST 13

ICB	Genova R, I	1667.0 2642.0 2722.0 4235.0 4379.1 4382.2 6425.0 8649.5 8734.4 8787.1 12978.0 13113.2 13131.8 16879.0 16881.0 16970.0 17182.0 17254.6 17273.2 22642.5
ICH	IN Maddalena Island, I	3182.0
ICP	Trapani R, I	1737.0 1848.0
ICZ	Venezia R, I	1680.0 2698.0
IDC	Cagliari R, I	1722.0 2683.0
IDF	Messina R, I	2789.0
IDQ	IN Rome, I	119.2 2291.0 4280.0 6390.0 8486.0
IDR/.	IN Rome, I	-/3182.0+7472.5 2/4615.3 3/7302.0 4/9090.0 5/13891.6 6/16005.0 7/25134.0 8/2815.0
IEA 20	IA Rome, I	4850.0
IEA 41	IA Udine, I	4850.0
IER 20*	IFG Rome, I	2747.0 3365.0 5160.0 5300.0 6465.0
ILC	IAF Ancona, I	5685.0
ILT	IAF Latina, I	5685.0
IMB .*	Rome Meteo, I	1/3172.5 2/5887.5 3/11453.0
IMB 5.	Rome Meteo, I	51/4777.5 55/8146.6 56/13597.4
IPA	Ancona R, I	2656.0
IPA E8*	Milano Prefettura, I	6928.0
IPB	Bari R, I	1771.0 2579.0
IPD	Civitavecchia R, I	1888.0 2710.0 3747.0
IPP	Palermo R, I	1705.0
IPR 34*	Genova Police, I	5810.0
IQA	Augusta R, I	1643.0 2628.0
IQH	Napoli R, I	1675.0 2635.0 3735.0
IQX	Trieste R, I	2624.0 4296.0 6418.0 8502.0 8679.0 12975.0 17084.0
IRC 20*	ANSA Rome, I	5035.0
IRF .0*	ANSA Rome, I	20/8047.5 40/8037.0 50/7030.0+8030.0 80/8062.0
IRG 53*	ANSA Rome, I	9362.0
IRH 58*	ANSA Rome, I	10815.0
IRI 20*	IINA Rome, I	11027.0
IRJ .1*	ANSA Rome, I	21/12108.0 31/12128.0
IRL 58*	IINA Rome, I	14884.0
IRM	CIRM Rome, I	4342.0 6365.0 8685.0 12748.0 12760.0 17105.0 22525.0
IRP 34*	ANSA Rome, I	17473.0
IRR 24	ITALCABLE Rome, I	19475.2
IRR 31*	IINA Rome, I	19178.0
IRS 24*	ANSA Rome, I	20430.0
IRS 41*	IINA Rome, I	20187.0
ISX ..*	ANSA Rome, I	20/20085.0 35/13487.5 46/14630.5 56/15693.5
ISY 94*	ANSA Rome, I	9402.5
ISY 95*	IINA Rome, I	9443.0
ISZ 48*	ANSA Rome, I	4804.0
IUV 31	Rome Police, I	5075.0
IUV 81*	INTERPOL Rome, I	4632.5 6792.0 6905.0 7401.0 8045.0 9200.5
IZN*	ICG Porto Torres, I	7444.9
IZN	Porto Torres R, I	1806.0
JAE 58*	KYODO Tokyo, J	8175.0
JAG 30*	JPS/PL Tokyo, J	10710.0
JAG 50*	KYODO Tokyo, J	10795.0
JAH 70	KYODO Tokyo, J	10858.0
JAL ..*	KYODO Tokyo, J	44/14547.5 82/12275.0
JAQ 66	KYODO Tokyo, J	16230.0
JBF 40	KDD Tokyo, J	10390.2
JBO	Tokyo R, J	4376.0 4431.8 4434.9 8746.8 8753.0 8777.8 13094.0* 13119.4 13134.9 13153.5 17242.2 17257.7 17329.0 22676.6 22704.5 22716.9 4332.5
JCK	Kobe R, J	4349.0 6467.0 8653.6 12826.5 17112.6 22419.0
JCS	Choshi R, J	4225.0 8686.0 12687.0 17166.5 22386.0
JCT	Choshi R, J	4225.0 8686.0 12687.0 17166.5 22386.0
JCU	Choshi R, J	6485.0 8479.0 12878.0 17043.2 22463.0

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★ JCX	Naha R, J	6470.0 12667.5
JDB	Nagasaki R, J	13063.0 16877.5
JDC	Choshi R, J	8647.5 13054.0 16998.5
JGC	Yokohama R, J	17141.6 22366.5
JJC	Tokyo R, J	4316.0 8467.5 12745.5 16971.0 17069.5
JJD	RRL Tokyo, J	10415.0 15950.0
JJY	Tokyo TS, J	2500.0 5000.0 8000.0 10000.0 15000.0
JKA 2	JIJI Tokyo, J	6820.0
JMB/.	Tokyo Meteo, J	-/3218.0 2/7515.0 3/14605.0
JMG .*	Tokyo Meteo, J	4/14880.0 5/19529.0
JMH/.	Tokyo Meteo, J	-/3622.5 2/7305.0 3/9970.0 4/13597.0 5/18220.0 6/22770.0
JMJ/.	Tokyo Meteo, J	-/3365.0 2/5405.0 3/9438.0 4/14692.5 5/18130.0
JNA	Tokyo R, J	4276.0 8492.0 12942.0 16911.2 17052.5 22398.0
JNE	Hiroshima R, J	17141.6 22366.5
JO.	Nagasaki R, J	R/6457.5+8523.4+13008.0+17093.6+22409.0 S/4328.0+6491.5+8437.0+ 13069.5+16933.2+22396.0 U/8463.0+12673.5+16883.0+22440.0
JPA 24	INTERPOL Tokyo, J	18756.0
JTD 29*	MONTSAME Ulan Bator, MNG	10335.0
JTF 29*	MFA Ulan Bator, MNG	14583.7
JWT	NN Stavanger, NOR	3257.5 4562.5
JXU	NN Bodoe, NOR	7951.5
JXZ*	NATO Kolsaas, NOR	2748.5 4048.3 5143.7 5198.5 5327.0 5387.0 5808.5 6442.5 7312.5 7849.5 7850.5 9068.0 9330.6 10143.5
JYF .*	PETRA Amman, JOR	4/9463.0 6/5055.0
JYN ..*	Amman Meteo, JOR	39/3762.5 41/10965.0
JYO	Aqaba R, JOR	2512.5 2612.5 4326.5 4416.3 4431.8 6390.0 6479.0 8528.0 8728.2 12725.0 13159.7 *
J2A/.	Jibuti R, DJI	-/1813.0+2586.0+4410.1+8799.5+13128.7 4/4262.0 6/6348.0 8/8510.0+ 8682.0 9/12728.0
J5M	Bissau R, GNB	2642.0 4394.6 4434.9 8722.0 8756.1 13107.0 17276.3 17338.3
KCC	Corpus Christi R, TX, USA	2538.0
KFS	San Francisco R, CA, USA	2037.5 2061.5 4228.0 4274.0 6348.0 6365.5 6494.5 6495.5 8444.5 8445.0 8558.4 8706.0 12695.5 12844.5 17026.0 17184.8 17198.5 22425.0 22515.0
KGW	Delcambre R, LA, USA	2506.0
KKN 44	USE Monrovia, LBR	4886.0 7652.0 11474.0 17404.0 17426.0 23425.0
KKN 50	MFA Washington, DC, USA	6925.0 10637.0 12022.5 16363.0 18525.0
KLB	Seattle R, WA, USA	2063.0 4349.0 6410.7 6411.0 8546.1 8582.5 12907.0 12916.5 17007.7 22539.0
KLC	Galveston R, TX, USA	2063.0 4223.0 4256.0 6338.5 6369.0 8508.0 8659.5 8666.0 8709.0* 12904.5 13038.0 13095.0 16871.3 16939.8 22338.0 22467.0
KMI	Dixon R, CA, USA	4357.4 4403.9 4407.0 8728.2 8743.7 8759.2 8784.0 13100.8 13103.9 13107.0 13187.6 13190.7 17236.0 17239.1 17279.4 17304.2 22636.3 22664.2 22679.7 22704.5
KNY 23*	Czech E Washington, DC, USA	14650.6 15806.7
KPH	San Francisco R, CA, USA	4247.0 6477.5 6500.5 8618.0 8642.0 8711.0 12808.5 13002.0 13077.5 17016.5 17016.8 17203.5 22479.0 22557.0
KQP	Galveston R, TX, USA	2450.0 2530.0
KRH 50	USE London, G	5426.0 7724.0 11142.0 13815.0 16458.0
KRH 51*	USE London, G	4863.5 6781.0 6786.5 6790.5 9435.0 9439.0 11633.5 11637.5 13840.0 13844.0 15593.0 15597.0
KTJ	Coos Bay R, OR, USA	2566.0
KUP 65	Majuro R, MRL	2616.0 2724.0
KUQ	Pago Pago R, SMA	2638.0 2845.0 4143.6 4379.1 6218.6 6361.0 8585.0 8734.4 12871.5 13196.9 17347.6
KUQ 23	Swains Island R, SMA	2845.0

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KVM 70	Honolulu Meteo, HWA	5037.5 7770.0 9982.5 11090.0 13627.5 16135.0 23331.5
KWL 90	USE Manila, PHL	5443.0 7662.0 10464.0 12210.0 14616.0 17552.0
KWS 78	USE Athens, GRC	3186.0 4910.0 7627.0 10255.0 14360.0 18351.0 23642.7
KWX	NWS Lewes, DE, USA	2614.4 4223.0 8645.5 12894.0
LBA ..	NN Stavanger, NOR	2/2206.0+2207.0 4/3392.0 6/5426.5+5427.5 10/11454.0
LBL	NA Oslo, NOR	11180.5
LCJ	NTA Oslo, NOR	9980.0 9980.2
LCN	Rogaland R, NOR	10715.0
LF./..	Rogaland R, NOR	B/8678.0 B2/8683.5* C/12682.5* F/17165.6 G/22473.0 I/12961.5 J/12876.0 L/22396.0 L2/8718.9 L3/8725.1 L4/8740.6 L5/8743.7 L6/8746.8 L7/8749.9 L8/8756.1 L9/8771.6 L20/8787.1 L21/8793.3 L22/8799.5 L23/8802.6 L24/8805.7 L30/13107.0 L31/13110.1 L32/13113.2 L33/13128.7 L34/13131.8 L35/13138.0 L36/13141.1 L37/13150.4 L38/13153.5 L39/13156.6 L40/13165.9 L41/13169.0 L42/13175.2 L43/13178.3 L44/13184.5 L45/13193.8 N/8527.5 N2/17232.9 N3/17239.1 N4/17242.2 N5/17245.3 N6/17251.5 N7/17254.6 N8/17260.8 N9/17270.1 N20/17273.2 N21/17282.5 N22/17285.6 N23/17288.7 N24/17291.8 N25/17298.0 N26/17313.5 N27/17319.7 N28/17338.3 N29/17356.9 N30/22599.1 N31/22602.2 N32/22617.7 N33/22627.0 N34/22633.2 N35/22639.4 N36/22642.5 N37/22648.7 N38/22679.7 N39/22685.9 N40/22695.2 N41/22698.3 N42/22704.5 N43/22707.6 N44/22713.8 N45/22716.9 R/25308.0 T/16952.4 U/6467.0 W/4325.0 X/16928.4 Z/25382.5 1743.0 2635.0 3627.9 1694.0 1722.0 2663.0 3652.0 -/1645.0*+2879.5*+8574.0 2/8707.0* 1757.0 2670.0 1646.0 -/22425.0 3/22587.0 1736.0 1750.0 2635.0 2649.0 2663.0 1722.0 1743.0 1803.0 3652.0 -/12727.5 2/13075.0* 3/13081.0* 4/13097.0* 1757.0 2649.0 3645.0 1743.0 2666.9 2670.0 3631.0 2/4357.4 3/4363.6 4/4376.0 5/4382.2 6/4400.8 7/4410.1 8/4416.3 9/4428.7 20/4431.8 21/4434.9 30/6512.6 31/6518.8 1694.0 2642.0 2656.0 1729.0 2656.0 3638.0 1694.0 1736.0 3645.0 1736.0 2663.0 -/6432.0 2/6498.0* 3/6504.5* 1729.0 2642.0 2656.0 2670.0 3631.0 -/4241.0 2/4351.0* 3/4352.5* -/17074.4 2/17199.5* 3/17223.0* 1750.0 2635.0 2638.9 2642.0 3641.9 14445.0 18987.7 1757.0 4837.5 4921.5 10295.0 1722.0
LFO	Oerlandet R, NOR	1743.0 2635.0 3627.9
LGA	Alesund R, NOR	1694.0 1722.0 2663.0 3652.0
LGB/2	Rogaland R, NOR	-/1645.0*+2879.5*+8574.0 2/8707.0*
LGD	Oerlandet R, NOR	1757.0 2670.0
LGF 2*	Rogaland R, NOR	1646.0
LGG/3	Rogaland R, NOR	-/22425.0 3/22587.0
LGH	Harstad R, NOR	1736.0 1750.0 2635.0 2649.0 2663.0
LGI	Hammerfest R, NOR	1722.0 1743.0 1803.0 3652.0
LGJ/.	Rogaland R, NOR	-/12727.5 2/13075.0* 3/13081.0* 4/13097.0*
LGL	Floroe R, NOR	1757.0 2649.0 3645.0
LGN	Bergen R, NOR	1743.0 2666.9 2670.0 3631.0
LGN ..	Rogaland R, NOR	2/4357.4 3/4363.6 4/4376.0 5/4382.2 6/4400.8 7/4410.1 8/4416.3 9/4428.7 20/4431.8 21/4434.9 30/6512.6 31/6518.8 1694.0 2642.0 2656.0 1729.0 2656.0 3638.0 1694.0 1736.0 3645.0 1736.0 2663.0 -/6432.0 2/6498.0* 3/6504.5* 1729.0 2642.0 2656.0 2670.0 3631.0 -/4241.0 2/4351.0* 3/4352.5* -/17074.4 2/17199.5* 3/17223.0* 1750.0 2635.0 2638.9 2642.0 3641.9 14445.0 18987.7 1757.0 4837.5 4921.5 10295.0 1722.0
LGP	Bodoe R, NOR	1694.0 2642.0 2656.0
LGQ	Rogaland R, NOR	1729.0 2656.0 3638.0
LGS	Svalbard R, Spitsbergen, NOR	1694.0 1736.0 3645.0
LGT	Tjoeme R, NOR	1736.0 2663.0
LGU/.	Rogaland R, NOR	-/6432.0 2/6498.0* 3/6504.5*
LGV	Varoe R, NOR	1729.0 2642.0 2656.0 2670.0 3631.0
LGW/.	Rogaland R, NOR	-/4241.0 2/4351.0* 3/4352.5*
LGX/.	Rogaland R, NOR	-/17074.4 2/17199.5* 3/17223.0*
LGZ	Farsund R, NOR	1750.0 2635.0 2638.9 2642.0 3641.9
LHG	Rogaland R, NOR	14445.0
LHP 2	NTA Oslo, NOR	18987.7
LJB	Bjoernoeysa R, Bear I., NOR	1757.0
LJP*	INTERPOL Oslo, NOR	4837.5 4921.5 10295.0
LMJ	Jan Mayen R, NOR	1722.0
LOK	AN Laurie I., Orcadas, ANT	2422.5
LOL	AN Buenos Aires, ARG	4856.0 8030.0 14788.0* 17180.0
LOL .	AN Buenos Aires TS, ARG	1/5000.0 2/10000.0 3/15000.0
LOR*	AN Puerto Belgrano, ARG	6759.5 6770.0 11070.0
LPB .	Corrientes R, ARG	5/4428.7 9/8746.8
LPC ..	Ushuaia R, ARG	5/2100.0 27/4385.3 34/8753.0 42/13190.7 45/4225.0 46/8449.0 50/13065.0
LPD ..	General Pacheco R, ARG	28/22513.5 34/25130.5 46/17045.6 62/4262.0 68/4268.0 76/12763.5 86/8646.0 88/12988.5 91/22419.0
LPG ..	Rio Gallegos R, ARG	5/2103.5 44/4400.8 87/8765.4

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LPL..	General Pacheco R, ARG	-/13165.9+17285.6 3/8759.2 4/13159.7 5/17232.9 6/2086.0 21/22605.3 30/6512.6 33/4394.6
LPM ..	Mar del Plata R, ARG	5/2093.0 44/4410.1 51/4388.4 97/8749.9
LPO ..	Puerto Deseado R, ARG	26/2082.5 44/4379.1 87/8787.1
LPW ..	Bahia Blanca R, ARG	6/2079.0 35/6506.4 45/4372.9 97/8771.6
LPZ ..	Trelew R, ARG	28/4434.9 33/2090.9 87/8740.6
LQB 9	Buenos Aires TS, ARG	8168.0
LQB 9	DyN Buenos Aires, ARG	8166.5
LQC 28	Buenos Aires TS, ARG	17551.5
LQZ 27	AP Buenos Aires, ARG	17672.0
LRB 39*	TELAM Buenos Aires, ARG	10893.5
LRB 72	Buenos Aires Meteo, ARG	10720.0
LRB 75	REUTER Buenos Aires, ARG	13753.5
LRB 79	AP Buenos Aires, ARG	6874.0
LRB 83*	TELAM Buenos Aires, ARG	3266.7
LRB 91	R Rivadavia feeder, ARG	9115.0
LRN 2	AP Buenos Aires, ARG	10679.5
LRN 22*	TELAM Buenos Aires, ARG	13515.0
LRN 64	DyN Buenos Aires, ARG	9241.5
LRN 85*	DyN Buenos Aires, ARG	7954.5
LRO 2*	TELAM Buenos Aires, ARG	4004.5
LRO 9*	DyN Buenos Aires, ARG	4549.5
LRO 23*	NA Buenos Aires, ARG	3840.0
LRO 42*	NA Buenos Aires, ARG	7456.0
LRO 69	Buenos Aires Meteo, ARG	5185.0
LRO 81*	TELAM Buenos Aires, ARG	13540.0
LRO 83	REUTER Buenos Aires, ARG	18433.0
LRO 84	Buenos Aires Meteo, ARG	18093.0
LRO 89	REUTER Buenos Aires, ARG	21770.0
LSA/.	Boca R, ARG	-/13057.0+13063.5+16870.5+17191.0+22547.0+22555.5+25160.0+25197.0 2/4334.0 3/6460.0 4/8457.0 5/12709.0 6/17160.8 7/22346.5
LSA 600	AP Buenos Aires, ARG	20736.0
LST/9	YPF Buenos Aires R, ARG	-/4255.0+12706.5+16940.8 9/8702.0
LSU 5	YPF Comodoro Rivadavia R, ARG	8702.0
LZA 2*	PTT Sofia, BUL	8055.0
LZA 8*	Sofia Meteo, BUL	4813.0
LZB*	BTA Sofia, BUL	7460.0
LZF .*	Sofia Meteo, BUL	8/3247.5+3253.0+3258.5 9/5455.0
LZG .*	BTA Sofia, BUL	2/11110.0 3/13400.0
LZH 4*	BTA Sofia, BUL	11502.0
LZJ 2	Sofia Meteo, BUL	5092.5
LZL/.	Bourgas R, BUL	-/1650.0+2638.0+2750.0 2/4262.0+4282.0+4342.0 3/6342.0+6423.0+ 6484.0 4/8472.0+8564.0+8684.0 5/12689.0+12709.0+12954.0 6/16866.0+16944.0+17182.0 7/22340.0+22415.0+22520.0 6795.0 6840.0 13590.0
LZM 7*	Sofia Meteo, BUL	6960.0
LZN 3*	BTA/PTT Sofia, BUL	5127.0
LZQ 35*	Sofia, BUL	11063.0 11126.0 11150.4 11163.0
LZU 2*	Sofia Meteo, BUL	-/1750.0+2770.0+4416.3+6515.7+13095.5*+13156.6+17338.3+22617.7 2/4220.0+4250.0+4314.0 3/6336.0+6405.0+6448.0 4/8460.0 5/12659.0 6/16918.0+17055.0+17145.0 7/22344.0+22374.0+22486.0 42/8532.0 43/8607.0 52/12840.0 53/12940.0
LZW/.	Varna R, BUL	12230.0
LZZ 8*	Sofia, BUL	
L2C	Buenos Aires R, ARG	4304.0 8447.0 12728.0 16925.6
L2E	Buenos Aires R, ARG	8528.0 12901.0
L2F	Buenos Aires R, ARG	12429.2
L2Q	Mar del Plata R, ARG	4304.0
L2S	Mar del Plata R, ARG	8528.0 12901.0 16925.6
L2T	Mar del Plata R, ARG	12429.2
L2X	Comodoro Rivadavia R, ARG	4304.0 8447.0 12728.0

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L2Z	Comodoro Rivadavia R, ARG	8528.0 12901.0 16925.6
L3A	Comodoro Rivadavia R, ARG	12429.2
L3V	Rio de la Plata R, ARG	2638.0
MGJ	RN Glasgow, G	2767.0
MKA	RAF London, G	5287.0
MKD*	RAF Akrotiri, CYP	4440.0 5025.0 5120.0 7487.5 7580.0 7960.0 8155.0 9135.0 9355.0 9940.0 10220.0 10250.0 10495.0 10586.0 11095.0 11467.0 11515.0 13515.0 13565.0 13925.0 13970.0 14405.0 14415.5 14670.0 14855.0 15690.0 16148.0 16280.0 17535.0 18535.0 19430.0 20125.0 20290.0 20425.0
MKH	RAF Doncaster, G	5685.0
MKK*	RAF London, G	3306.0 4620.0 5322.5 5405.0 5788.6 6807.5 6950.0 7455.0 7710.0 8035.0 8085.0 9082.0 10200.0 10280.0 11550.0 12145.0 13890.0 14432.5 14445.0 14540.0 15715.0 16039.5 17586.0 18120.0 18775.0
MKL	RAF Edinburgh, G	3936.0 4731.0 8988.0 9037.0 11213.0
MKO	PYR Ight Klingenfuss FR, G	1987.0
MKT*	RAF Publications London, G	12152.0
MQP	RAF Upavon, G	4742.0 6738.0 9032.0 11204.0
MSF	Rugby TS, G	60.0
MTI	RN Plymouth, G	4310.0
MTO	RN Rosyth, G	2292.0 6446.0
MUA*	BA London, G	10841.0 11437.5 14381.0
MVU	RAF London, G	4722.0 11200.0
NAM	USN Norfolk, VA, USA	3357.0 8080.0 8090.0 10865.0 12135.0 16180.0 16410.0
NBA*	USN Balboa, PNR	11570.0 16194.0 18550.0 20350.0
NCI	LORAN Napoli, I	6943.5
NCI 4	LORAN Eregli, TUR	6943.5
NDT	USN Yokosuka, J	12777.0
NGR	USN Kato Soli, GRC	2336.0* 2525.0* 2550.0* 4053.5 4623.0 4962.5* 5206.0* 5785.0 6703.0* 7453.0 7455.0 7560.0* 8100.0* 8506.0 8640.0 8977.5* 9255.0 10118.5* 10371.0* 11049.0* 11532.5* 12678.0* 12759.0 12777.0 12930.0* 13372.5 14840.0* 15897.0* 16445.0* 20470.0
NIK	USCG Boston, MA, USA	8502.0 12750.0
NKK	USN Karamürsel, TUR	11016.5* 11017.8
NKW	USN Diego Garcia, BIO	8508.0 9209.8* 10292.0 12021.7* 12806.0 20302.0
NMA*	USCG Miami, FL, USA	8457.0
NMC	USCG San Francisco, CA, USA	2670.0 4346.0 6383.0 8574.0 8682.0 12730.0 16880.9 17151.2
NMF	USCG Boston, MA, USA	3242.5 7530.0 8490.0* 12750.0* 13021.0*
NMJ 2	USCG Ketchikan, ALS	2670.0
NMN	USCG Portsmouth, VA, USA	8465.0 12718.5 13084.5* 16976.0
NMO	USCG Honolulu, HWA	2670.0 8650.0 12889.5 17307.3 22476.0
NMR	USCG San Juan, PTR	8471.0 12700.0 16983.2
NOJ	USCG Kodiak, ALS	2670.0 4298.0 8459.0 8628.5
NPM	USN Pearl Harbour, HWA	2122.0 4855.0 9396.0 14826.0 21837.0
NPN	USN Apra Harbour, GUM	6360.5 8150.0 9383.0 10253.0 10257.0 16022.0 18622.0 23012.0
NPO	USN Subic Bay, PHL	3377.5 10966.0 15923.0 15927.0 22865.0
NPR*	USN Dutch Harbour, Unalaska Island, ALS	3209.0
NRK	USN Keflavik, ISL	5167.0
NRV	USCG Apra Harbour, GUM	2670.0 8582.0 12743.0 17146.4 22527.0
NWC	USN Exmouth, WA, AUS	9498.5 12675.5 17036.0 17062.0
OA. 6	PELPER Iquitos R, PRU	A6/6335.5+6355.5 B6/3840.0+6335.5
OAF 4	PESROD Ilo R, PRU	2086.0
OAH 3	VICMARSA Paita R, PRU	2840.0
OAJ 4	PIL Ilo R, PRU	2075.0 4064.4
OAJ 7	TULSA Lima R, PRU	8291.1
OAK 7	TULSA Salaverry R, PRU	8291.1
OAL 8	PELPER Intuito R, PRU	6218.6
OAM 8	PELPER Sargentu Loros R, PRU	6218.6

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OAN 7	LVV Lima R, PRU	8291.1
OAN 8	PELPER Trompeteros R, PRU	6218.6
OAQ 3	VICMARSA Lima R, PRU	2840.0
OAQ 4	MINERVA Lima R, PRU	2235.0 4089.8
OAQ 8	CONACHA Pucallpa R, PRU	6221.6
OAP 8	CONACHA Iquitos R, PRU	6221.6
OAQ 4	PDH Païta R, PRU	2230.0
OAR 4	MARSUR Atico R, PRU	4143.6
OBQ 4	Ilo R, PRU	2638.0 4403.9 6509.5 13116.3
OBQ 3	Callao R, PRU	2738.0 4247.0 4363.6 6360.0 6474.0 6518.8 8465.0 8546.0 8728.2 12725.0 12938.0 13144.2 17160.0 17254.6 22595.0 22611.5 25045.0
OBQ 4	Mollendo R, PRU	2638.0 4260.0 6351.0 6515.7 8490.0 8799.5 12815.0 13125.6 17015.0 17288.7 22465.0 22645.6 25065.0
OBQ 3	Pisco R, PRU	3801.4 4391.5 6506.4 13193.8
OBH 2	Pimentel R, PRU	3670.0
OBQ 5	Iquitos R, PRU	4325.0 4391.5 6500.0 6518.8 8808.8 12795.0 13134.9 16970.0 17313.5 22555.0 22639.4 25110.0
OBQ 3	Salaverry R, PRU	3790.0 6515.7 13134.9
OBQ 2	Talara R, PRU	3801.4 4391.5 6506.4 8540.0 13116.3
OBQ 2	Païta R, PRU	2738.0 4291.0 4403.9 6436.0 6512.6 8527.0 8790.2 12695.0 13193.8 16933.0 22395.0 25025.0
OBQ 3	Chimbote R, PRU	2638.0 4403.9 6509.5 13116.3
OBQ 3	Lima Meteo, PRU	30/5837.0 31/10657.0
OCJ 2	CPV Callao R, PRU	2101.4 2104.9 2206.0 4350.0 6221.6 8294.2 12429.2
OCK 5	CNP Lima R, PRU	4143.6 8294.2 12435.4
OCK 2	PELPER Saramuro R, PRU	3840.0 6335.5
ODB 6	LN Beirut, LBN	2000.0
ODR .	Beirut R, LBN	3/8702.0 4/13101.0 5/4434.9 6/2641.0 7/8802.6 8/13147.3 9/4351.0
OEC*	MFA Vienna, AUT	7891.0 14479.6
OEC 61*	Austrian E Rome, I	7891.0
OEQ ..*	INTERPOL Vienna, AUT	31/2840.0 36/5208.0 39/7401.0 42/8045.0
OER 60*	Salzburg Gendarmerie, AUT	5826.2
OER 70*	Innsbruck Gendarmerie, AUT	5245.0
OFA*	Helsinki R, FNL	8107.0 13087.5
OFH	Mariehamn R, FNL	1852.0 1876.0
OFI	Hanko R, FNL	2646.0 2649.0
OFJ/..	Helsinki R, FNL	-/17414.9 3/12669.0 4/4271.0 6/6355.0 7/16923.6 22/22396.0 25/25065.0 32/12687.0 82/8457.0
OFU	Kotka R, FNL	1862.0
OFW	Vaasa R, FNL	1862.0 2803.0
OHG/2	Helsinki R, FNL	-/1708.0+2810.0 2/4372.9+4394.6+4397.7+4407.0+4422.5+8722.0+ 8728.2+8731.3+8743.7+8805.7+13116.3+13125.6+13138.0+13147.3+ 13172.1+13181.4+13190.7+17248.4+17263.9+17273.2+17276.3+17301.1+ 17341.4+17347.6+22605.3+22623.9+22636.3+22661.1+22689.0
OHU 20	MFA Helsinki, FNL	10746.0 18763.2*
OHU 33*	Finnish E Singapore, SNG	18763.2
OLB 5	Prague TS, TCH	3170.0
OLD 2*	CETKA Prague, TCH	18985.0
OLG 4*	PTT Prague, TCH	10307.5
OLI .*	CETKA Prague, TCH	2/13597.5 5/13647.5
OLS 4*	CETKA Prague, TCH	15897.5
OLT ..	Prague Meteo, TCH	3/106.8 21/111.8
OLV 3*	CETKA Prague, TCH	17525.0
OLW .*	PTT Prague, TCH	2/6820.0 5/4825.0
OLX .*	CETKA Prague, TCH	4/8142.5 5/9353.0
OLZ 2*	CETKA Prague, TCH	7577.5
OMA	Prague TS, TCH	50.0 2500.0

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OMC	Bratislava R, TCH	2645.0 4344.5 4407.0 6393.5 6440.0 8476.0 8627.5 8743.7 12818.0 13057.0 13169.0 16897.5 16917.0 17254.6
OMK	Komarno R, TCH	2645.0 4344.5 4407.0 6393.5 6440.0 8476.0 8627.5 8743.7 12818.0 13057.0 13169.0 16897.5 16917.0 17254.6
OML	Decin R, TCH	4407.0 8743.7 13169.0
OMP/..	Prague R, TCH	-/4413.2+8737.5+13178.3+17254.6+22654.9 2/4292.5 3/6440.0 4/8627.5 5/13007.0 6/16977.0 7/22486.0 21/4344.5 41/8482.0 51/12818.0 61/17024.0 71/22460.0 81/25052.0 82/25143.0
OMV 92*	Prague, TCH	4024.0
OMZ*	MFA Prague, TCH	3800.0 6840.0 7960.0 9278.0 12310.0 16370.0 16395.0
ONA 20*	INTERPOL Brussels, BEL	2840.0 3714.0 3717.0 4632.5 4837.5 5208.0 8122.0
ONY 22*	NATO Rheindahlen, D	4811.0
ONY 27	NATO Rouveroy, BEL	2770.5* 3170.6* 3283.1* 4516.6* 4597.0* 4904.1* 5043.5* 5078.1* 5134.1* 5738.0 6820.0 7848.0* 7879.1 9027.0* 19576.0* 19577.5 19583.7
ORI 49	RTT Brussels, BEL	10727.0
ORI 50	UPI Brussels, BEL	1649.5 1652.5 1705.0 1708.0 1901.0 1904.0 2814.0 2817.0 3652.0 3655.0
OSA	Antwerpen R, BEL	41/1831.0 46/6391.5 48/12725.0
OSN 4.	BN Oostende, BEL	-/2815.5*+3656.5* 2/4298.0 3/6411.0 4/8478.0 5/12781.5 6/17017.1 7/22533.0 8/25135.0 22/4290.5 32/6328.3 36/6495.5* 37/6502.5* 42/8652.0 52/13067.0 56/13072.5* 57/13079.0* 62/17187.0 67/17203.0* 72/22351.5 82/27017.0
OST/..	Oostende R, BEL	-/1817.0+1820.0+1905.0+1908.0+2087.0+2090.0+2253.0+2256.0+2373.0+ 2376.0+2481.0+2484.0+2758.0+2761.0+2814.0+2817.0+3629.0+3632.0+ 3681.0+3684.0 21/4388.4 22/4422.5 23/4431.8 24/4379.1 25/4143.6 27/4407.0 31/6509.5 33/6218.6 34/6221.6 40/8291.1 41/8762.3 42/8805.7 43/8731.3 44/8734.4 45/8756.1 46/8725.1 47/8294.2 49/8753.0 51/13119.4 52/13144.2 53/13138.0 54/13153.5 55/12435.4 57/13156.6 58/12429.2 59/12432.3 61/17307.3 62/17313.5 63/17270.1 64/17257.7 65/16593.3 67/17322.8 68/16587.1 69/16590.2 71/22670.4 72/22713.8 73/22651.8 74/22620.8 75/22136.4 77/22636.3 78/22124.0
OSU/..	Oostende R, BEL	
OUA	DM Stevns, DNK	3/122.3 4/2357.5
OUI 22*	DA Aarhus, DNK	3355.3 4479.0
OVC	DM Groennedal, GRL	2400.0 16323.0
OVG/..	DM Frederikshavn, DNK	-/11435.0 4/4020.0 5/5760.0 8/8148.0 12/12329.0
OVK*	DM Aarhus, DNK	1860.0
OVS 3*	INTERPOL Copenhagen, DNK	8038.0 8045.0
AXB	Blaavand R, DNK	1713.0 1813.0 2593.0
OXF	Qaqortoq R, GRL	2129.0 2265.0
OXI	Nuuk R, GRL	2057.0 2116.0 2225.0 2400.0
OXJ	Torshavn R, Faroe Is., DNK	1708.0 1778.0
OXM	Ittoqqortoormiit R, GRL	2225.0
OXF	Skagen R, DNK	1701.0 2740.0
OXI	Copenhagen Meteo, DNK	5850.0 9360.0 13855.0 17510.0
OXZ/..	Lyngby R, DNK	-/1687.0+2645.0+4355.5*+4357.4+4363.6+4382.2+4400.8+4410.1+ 4416.3+4428.7+4431.8+4434.9+6498.5*+6501.5+6512.6+6518.8+8709.5*+ 8715.5+8718.9+8740.6+8749.9+8756.1+8771.6+8787.1+8793.3+8799.5+ 8805.7+13076.0+13084.0*+13093.5*+13107.0+13128.7+13131.8+13141.1+ 13144.2+13150.4+13156.6+13169.0+13178.3+17206.0*+17212.5*+ 17232.9+17239.1+17245.3+17254.6+17273.2+17282.5+17285.6+17298.0+ 17338.3+17356.9+22602.2+22617.7+22627.0+22633.2+22642.5+22648.7+ 22679.7+22698.3+22704.5+25440.5+25444.0 2/4303.0 3/6446.8 4/8598.0 6/12916.5 8/17068.4 9/22419.0 21/4319.0 31/6439.0 41/8626.0 61/13038.0 62/12753.5 81/16920.0 82/16897.5 92/22404.0 93/22459.0 95/25262.0
OYE	Roenne R, DNK	2586.0
OYR	Aasiat R, GRL	2210.0 2265.0 2304.0 3276.0 3280.0
OZL	Ammassalik R, GRL	2250.0
OZU 25*	MFA Copenhagen, DNK	16407.0

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OZW	Qanaaq R, GRL	3175.0 3250.0
PAC 27*	NATO Katwijk, HOL	2308.0 3245.0 3966.4 3996.8
PBC ...*	DN Goeree Island, HOL	32/2474.0 34/4280.0 36/6358.5 38/8439.0 312/12840.5 317/17117.5 911/11133.5
PCG/..	Scheveningen R, HOL	-/1764.0+1862.0+1890.0+1939.0+2600.0+2824.0+3673.0 21/4369.8 22/4413.2 23/4385.3 24/4376.0 25/4143.6 31/6509.5 35/6218.6 36/6221.6 41/8796.4 42/8731.3 43/8734.4 45/8291.1 46/8294.2 51/13138.0 52/13119.4 53/13156.6 55/12429.2 56/12432.3 57/12435.4 61/17341.4 62/17350.7 63/17301.1 65/16587.1 66/16590.2 67/16593.3 71/22608.4 72/22692.1 75/22124.0 76/22127.1 77/22130.2 78/22133.3 79/22136.4
PCH ..	Scheveningen R, HOL	20/4250.0 25/4351.5* 26/4355.0* 30/6404.0 35/6496.5* 36/6504.0* 40/8562.0 41/8622.0 42/8654.4 45/8713.0* 46/8717.0* 50/12768.0 51/12799.5 52/12853.5 55/13077.0* 56/13088.5* 60/16902.0 61/17007.2 62/17104.2 65/17217.5* 66/17230.0* 70/22324.5 71/22539.0 75/22565.0 85/1919.5*
PCW 1	MFA Den Haag, HOL	7701.6 9117.6* 13415.0 18461.7
PCW 11*	Dutch E Singapore, SNG	14650.5
PDB 2*	INTERPOL Utrecht, HOL	3717.0 4632.5 4837.5 5208.0 6792.0 6905.0
PJC	Willemstad R, Curacao, ATN	2550.0 4334.0 4379.1 6491.5 6515.7 8694.0 8725.1 13042.5 13119.4 17170.4 17251.5
PKA	Sabang R, INS	4388.4 <u>17184.8</u>
PKB	Belawan R, INS	8746.8 <u>12970.5</u> 13100.8 <u>16861.7</u>
PKC	Palembang R, INS	4397.7 <u>8437.0</u>
PKC 4	Panjang R, INS	6509.5
PKD	Surabaya R, INS	4379.1 <u>8461.0</u> <u>12704.5</u> 13134.9 <u>16861.7</u>
PKE	Amboina R, INS	4379.1 <u>8473.0</u> 13128.7 <u>17184.8</u>
PKE 5	Ternate R, INS	6428.5
PKF	Makassar R, INS	4397.7 13100.8
PKF 3	Kendari R, INS	8746.8
PKG	Banjarmasin R, INS	4388.4 <u>8457.0</u> 8765.4
PKM	Bitung R, INS	6428.5 8694.0 <u>12704.5</u> 13125.6
PKN	Balikpapan R, INS	4357.4 <u>6326.5</u> <u>8437.0</u> 8746.8
PKO	Tarakan R, INS	4422.5
PKP	Dumai R, INS	4357.4 <u>8457.0</u> 8765.4 13125.6 <u>17184.8</u>
PKR	Semarang R, INS	4422.5 <u>6326.5</u> <u>8461.0</u>
PKS	Pontianak R, INS	<u>8473.0</u>
PKT	Dili R, INS	4394.6 8787.1 13107.0 17276.3
PKU	Kalianget R, INS	8774.7
PKX	Jakarta R, INS	8542.0 8753.0 <u>12970.5</u> 13128.7 <u>16861.7</u> 17260.8 <u>22431.0</u> 22698.3
PKY 2	Biak R, INS	<u>8437.0</u>
PKY 4	Sorong R, INS	4422.5 <u>8461.0</u> <u>12970.5</u>
PKY 5	Merauke R, INS	6326.5 6509.5 <u>8457.0</u>
PL2 C	Ujung Pandang, INS	12236.0
PNK	Jayapura R, INS	4357.4 <u>8694.0</u> 13134.9 <u>17074.4</u>
PPF	Fortaleza R, B	4131.2 4425.6
PPJ	Juncao R, B	4231.0 4251.0 8460.0 8460.5 12689.5 12840.0 13184.5 16918.0 17170.0 17282.5
PPL	Belem R, B	4247.5 4265.0 8460.5 8502.0 12689.0 12979.5 13125.6 13184.5 16968.0 17170.0 17332.1
PPM	Manaus R, B	13169.0
PPO	Olinda R, B	4280.0 4298.0 8520.1 8548.0 12840.0 12958.5 13131.8 17120.0 17162.0 17248.4
PPR	Rio de Janeiro R, B	4244.0 8492.0 8634.0 12687.0 12738.0 13141.1 16984.0 17194.4 17263.9 17270.1 22352.5 22420.0 22710.7
PPX	EMBRATEL Rio de Janeiro, B	20470.0
PQP ..	SUDEPE Brasilia R, B	4143.6 6218.6
PWB	BN Belem, B	16960.0 22330.5

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PWF	BN Salvador, B	16960.0 22330.5
PWL	BN Ladario, B	4310.0 6465.0 8620.0
PWN	BN Natal, B	12957.0 16960.0 17036.0 22330.5 22405.0
PWZ	BN Rio de Janeiro, B	4259.0 4289.0 4322.0 6419.9* 6420.0 6435.0 6483.0 8291.0 8529.5* 8530.0 8542.0 8550.0 8644.0 12025.0 12736.5 12754.5 12795.0 12900.0* 12966.0 16950.0 17122.0* 17122.4 17140.0 17160.0 22443.0 22445.0 22530.0
PYA 24	Iate Clube Guaiba R, B	8291.1
PYE 38	Iate Clube Icarai R, B	8291.1
PZN/..	Paramaribo R, SUR	-/2818.0+4379.1+8740.6+13119.4+17254.6 2/6355.0 3/8652.5 4/13046.0 25/4255.3 26/16956.0
P2M	Port Moresby R, PNG	2056.0 2201.0 4143.6 4247.0 4382.2 4407.0 6351.5 6515.7 8515.0 8731.3 13042.0 13175.2
P2R	Rabaul R, PNG	2056.0 2201.0 4143.6 4247.0 4382.2 4407.0 6351.5 6515.7 8515.0 8731.3 13042.0 13175.2
RAN 72	R Moscow feeder, RU, URS	7410.0
RAN 76	R Moscow feeder, RU, URS	6890.0
RAN 77	Moscow Meteo, RU, URS	6880.0
RAN 78	R Moscow feeder, RU, URS	6770.0
RAT 21	Moscow Meteo, RU, URS	4202.5
RAT 23	R Moscow feeder, RU, URS	6987.5
RAT 25	R Moscow feeder, RU, URS	6920.0
RAW 71*	TASS Moscow, RU, URS	8060.0
RAW 73*	TASS Moscow, RU, URS	7970.0
RAW 78	Moscow Meteo, RU, URS	7750.0
RBA 50*	PTT Moscow, RU, URS	14500.0
RBI 72*	APN Moscow, RU, URS	16135.0
RBI 73*	TASS Moscow, RU, URS	17370.0
RBI 74*	APN/PTT Moscow, RU, URS	16220.0
RBI 75*	PTT Moscow, RU, URS	16031.4
RBI 77	Moscow Meteo, RU, URS	15950.0
RBI 78*	TASS Moscow, RU, URS	15930.0
RBI 79*	TASS Moscow, RU, URS	15890.0
RBK 72	R Moscow feeder, RU, URS	6805.0
RBK 79*	TASS Moscow, RU, URS	15865.0
RBM 76	R Moscow feeder, RU, URS	15600.0
RBP*	Odessa, UK, URS	6895.0
RBT 54*	Irkutsk Meteo, SE, URS	6970.0
RBV 70	Tashkent Meteo, UZ, URS	3690.0
RBV 71*	Tashkent Meteo, UZ, URS	3750.0
RBV 75*	Moscow Meteo, RU, URS	7685.0
RBV 76	Tashkent Meteo, UZ, URS	14982.5
RBV 78	Tashkent Meteo, UZ, URS	5890.0
RBV 79	R Moscow feeder, RU, URS	6825.0
RBW 43*	SAM Murmansk, RU, URS	10380.0
RBW 48	Murmansk Meteo, RU, URS	10130.0
RBX 42*	TASS Moscow, RU, URS	17570.0
RBX 56*	ANGOP Moscow, RU, URS	7525.0
RBX 7.	Tashkent Meteo, UZ, URS	70/3280.0 71/5285.0 72/7570.0 73/10130.0* 74/5090.0
RBV 76*	Sverdlovsk Meteo, SW, URS	3170.0
RCB 53*	TASS Moscow, RU, URS	10985.0
RCB 55*	TASS Moscow, RU, URS	12085.0
RCC 74*	APN Moscow, RU, URS	14580.0
RCC 76	Moscow Meteo, RU, URS	7670.0
RCD 36*	PL Moscow, RU, URS	19505.0
RCD 39*	PTT Moscow, RU, URS	13847.0
RCE 54*	TASS Moscow, RU, URS	16050.0
RCE 59*	APN Moscow, RU, URS	16150.0
RCG 77*	TASS Moscow, RU, URS	13490.0

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RCG 79*	TASS Moscow, RU, URS	14625.0
RCH	Tashkent TS, UZ, URS	2500.0 5000.0 10000.0
RCH 7.	Tashkent Meteo, UZ, URS	72/9340.0 73/9150.0
RCI 72	Moscow Meteo, RU, URS	3875.0
RCI 73	R Moscow feeder, RU, URS	18195.0
RCR 7.	Khabarovsk Meteo, SE, URS	77/11520.0* 78/13803.0* 79/14610.0
RCT 5.*	TASS Moscow, RU, URS	52/7787.0 55/11495.0 57/18405.0
RCU 7.	Novosibirsk Meteo, SW, URS	71/7715.0* 73/9060.0 79/12230.0
RCV	SN Moscow, RU, URS	5322.0 6352.0 8576.0 9456.0 9476.0 10130.0 10854.0 12744.0
		13036.0 14324.0 16942.0 16948.0
RCV 26*	ANGOP Moscow, RU, URS	9140.0
RCV 26	R Moscow feeder, RU, URS	9140.0
RCW 79	Alma Ata Meteo, KA, URS	7910.0
RDD 72*	TASS Moscow, RU, URS	12325.0
RDD 77*	Moscow Meteo, RU, URS	11450.0
RDD 79	Moscow Meteo, RU, URS	10980.0 21960.0
RDE 73	Kuybishev Meteo, RU, URS	2720.0
RDG 23*	Tashkent Meteo, UZ, URS	7315.0
RDK 23	Tbilisi Meteo, GE, URS	7495.0
RDm 7.*	Tbilisi Meteo, GE, URS	73/4455.0 78/5335.0
RDn 20	Kuybishev Meteo, RU, URS	5420.0
RDT 57*	APN Moscow, RU, URS	18310.0
RDT 72	R Moscow feeder, RU, URS	12205.0
RDU 52	PIT Moscow, RU, URS	14555.0
RDW 7.	Khabarovsk Meteo, SE, URS	72/6830.0* 76/10220.0+20440.0
RDZ 71*	TASS Moscow, RU, URS	10258.0
RDZ 75*	Moscow Meteo, RU, URS	9190.0
RDZ 76*	TASS Moscow, RU, URS	9145.0
RDZ 77*	TASS Moscow, RU, URS	9110.0
RDZ 79	R Moscow feeder, RU, URS	8125.0
RED 5.*	TASS Moscow, RU, URS	52/15710.0 54/9850.0
REM 51*	TASS Moscow, RU, URS	10675.0
REM 55*	APN Moscow, RU, URS	17520.0
REM 57*	TASS Moscow, RU, URS	16260.0
REM 58*	TASS Moscow, RU, URS	15580.0
REN 30*	TASS Moscow, RU, URS	15575.0
RFD 53*	TASS Moscow, RU, URS	17510.0
RFM 27*	APN Moscow, RU, URS	16060.0
RFM 27	R Moscow feeder, RU, URS	16060.0
RFNV	Moscow Air, RU, URS	6745.0 8840.0 11193.0 11359.0 13490.0
RFQ*	Ashkhabad Air, TU, URS	7945.0
RFU 7	Rostov-na-Donu Meteo, UK, URS	7967.5
RGC 7.*	Kiyev Meteo, UK, URS	70/6920.0 72/4442.5+8885.0
RGD 22	R Moscow feeder, RU, URS	13710.0
RGD 22*	TASS Moscow, RU, URS	14700.0
RGD 25	R Moscow feeder, RU, URS	12160.0
RGD 27*	APN Moscow, RU, URS	11615.0
RGD 29	R Moscow feeder, RU, URS	11510.0
RGE 34*	TASS Moscow, RU, URS	10240.0
RGE 37*	PIT Moscow, RU, URS	9096.5
RGG 43*	APN Moscow, RU, URS	15910.0
RGH 77*	Arkhangelsk Meteo, RU, URS	7760.0 15520.0
RGI 24*	TASS Moscow, RU, URS	10120.0
RGJ 6.*	Kuybishev Meteo, RU, URS	61/3710.0 62/4530.0
RGW 26*	TASS Moscow, RU, URS	16190.0
RGW 27*	APN Moscow, RU, URS	16175.0
RGW 28*	TASS Moscow, RU, URS	16140.0
RHA 42*	APN Moscow, RU, URS	16020.0
RHT 23*	APN Moscow, RU, URS	15660.0
RIC 71*	TASS Moscow, RU, URS	14940.0
RIC 72*	TASS Moscow, RU, URS	14880.0
RIC 73*	APN Moscow, RU, URS	14690.0

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RIC 75*	TASS Moscow, RU, URS	14510.0
RIC 76	APN Moscow, RU, URS	13930.0
RID	Irkutsk TS, SE, URS	5004.0 10004.0 15004.0
RIF 32*	APN Moscow, RU, URS	18440.0
RIF 38*	TASS Moscow, RU, URS	13410.0
RIJ 71*	TASS Moscow, RU, URS	17600.0
RIJ 75*	Tashkent Meteo, UZ, URS	8083.0
RIS 70	Tbilisi Meteo, GE, URS	3745.0
RIS 78	R Moscow feeder, RU, URS	13610.0
RIW	SN Khiva, UZ, URS	5128.0 5398.0 7054.6 8495.0 8523.0 10528.0 10712.0 11000.0 11048.0 11156.0 11488.0 12824.0 14509.0 14556.0 16200.0 18808.0
RIZ 54	R Moscow feeder, RU, URS	14410.0
RJK 78	Kiyev Meteo, UK, URS	6950.0
RKA 25*	TASS Moscow, RU, URS	10270.0
RKA 70	PTT Moscow, RU, URS	7580.0
RKA 71*	TASS Moscow, RU, URS	10790.0
RKA 72*	APN Moscow, RU, URS	10740.0
RKA 73	Moscow Meteo, RU, URS	10712.0
RKA 74*	APN Moscow, RU, URS	10465.0
RKA 75	R Moscow feeder, RU, URS	16330.0
RKA 76	PTT Moscow, RU, URS	10330.0
RKA 78	Moscow Meteo, RU, URS	10230.0
RKA 79*	TASS Moscow, RU, URS	10105.0
RKB 58*	TASS Moscow, RU, URS	14720.0
RKB 78	Moscow Meteo, RU, URS	12165.0
RKC 24	R Moscow feeder, RU, URS	6822.5
RKC 25	R Moscow feeder, RU, URS	14410.0
RKC 25*	TASS Moscow, RU, URS	14410.0
RKC 29*	TASS Moscow, RU, URS	5470.0
RKD 41	PTT Moscow, RU, URS	16280.0
RKD 44	PTT Moscow, RU, URS	14678.7* 14680.0
RKD 48*	APN Moscow, RU, URS	10595.0
RKD 48	R Moscow feeder, RU, URS	10595.0
RKE 22*	TASS Moscow, RU, URS	10880.0
RKF 67*	APN Moscow, RU, URS	15640.0
RKR 7.	Irkutsk Meteo, SE, URS	74/4560.0* 76/5280.0
RKS 71	Murmansk Meteo, RU, URS	4850.0
RKU 71	Moscow Meteo, RU, URS	13470.0
RKU 73*	TASS Moscow, RU, URS	15605.0
RKU 74*	APN/TASS Moscow, RU, URS	12285.0
RLA 56*	PTT Moscow, RU, URS	4545.0
RMC 21*	APN Moscow, RU, URS	19127.0
RMD 51*	TASS Moscow, RU, URS	7695.0
RMD 57*	TASS Moscow, RU, URS	9420.0
RMD 59*	APN Moscow, RU, URS	16300.0
RME 20	R Moscow feeder, RU, URS	9210.0
RME 22*	APN Moscow, RU, URS	16250.0
RME 23	R Moscow feeder, RU, URS	6390.0
RMP	SN Kaliningrad, RU, URS	5881.0 6909.0 8471.0 10118.0 11132.0 15688.0
RMS 45*	PTT Moscow, RU, URS	14501.5
RND 71*	APN Moscow, RU, URS	16085.0
RND 77	Moscow Meteo, RU, URS	5355.0
RND 79	Moscow Meteo, RU, URS	5325.0
RNK 3.*	TASS Moscow, RU, URS	33/11470.0* 36/14490.0 39/13920.0
RNN 51*	TASS Moscow, RU, URS	8140.0
RNN 52*	TASS Moscow, RU, URS	7875.0
RNO*	SA/AAMC Moscow, RU, URS	6473.0 12793.0 17163.0
RNR 78	Rostov-na-Donu Meteo, UK, URS	7630.0
ROF 7.	Novosibirsk Meteo, SW, URS	71/3590.0* 73/4445.0 75/5210.0 76/5335.0
ROK 22	R Moscow feeder, RU, URS	7925.0
ROK 24*	Moscow Meteo, RU, URS	7855.0
ROK 28	PTT Moscow, RU, URS	7540.0

CALL SIGN LIST 24

ROM 5*	Tashkent Meteo, UZ, URS	13947.0
ROO 70	Rostov-na-Donu Meteo, RU, URS	3610.0
ROP 59	R Moscow feeder, RU, URS	9200.0
ROQ 3*	Novosibirsk Meteo, SW, URS	7890.0
ROT	SN Moscow, RU, URS	6445.0* 8456.0* 12995.0 17045.0 17130.0 17155.0
ROW 24*	APN Moscow, RU, URS	14545.0
ROW 26	R Moscow feeder, RU, URS	14850.0
RPJ 78	Tashkent Meteo, UZ, URS	4365.0
RPN 7.	Kiyev Meteo, UK, URS	71/3360.0 75/4525.0
RPT 3.*	TASS Moscow, RU, URS	30/7560.0 31/10165.0 32/15925.0
RQM 76	Khabarovsk Meteo, SE, URS	7530.0 15060.0
RRC 61*	APN Moscow, RU, URS	13430.0
RRQ 2.*	TASS Moscow, RU, URS	20/18385.0 27/8030.0
RSF 2.	Tbilisi, GE, URS	22/10630.0 23/10860.4
RSR 7.	Minsk Meteo, BY, URS	71/3235.0* 76/4005.0* 79/7575.0
RST 7.*	Minsk Meteo, BY, URS	75/3810.0 76/7640.0
RSW 71*	Arkhangelsk Meteo, RU, URS	5345.0
RTA	Novosibirsk TS, SW, URS	10000.0 15000.0
RTB 26	Novosibirsk Meteo, SW, URS	9220.0
RTC 26*	Novosibirsk Meteo, SW, URS	15566.0
RTEU	Aleksandrov-Sakhalinskiy R, FE, URS	2590.0 4283.0
RTO	Moscow Meteo, RU, URS	53.6
RTQ 74	APN Moscow, RU, URS	5880.0
RTQ 78*	Sverdlovsk Meteo, SW, URS	9290.0
RTT 40*	APN Moscow, RU, URS	16040.0
RTT 42*	PTT Moscow, RU, URS	10768.6
RTT 44*	TASS Moscow, RU, URS	7615.0
RTT 47*	PTT Moscow, RU, URS	6780.0
RTV 55*	TASS Moscow, RU, URS	6870.0
RTW 53	Kuybishev, RU, URS	11539.8
RUD 38*	APN Moscow, RU, URS	12222.5
RUJ 79	Kuybishev Meteo, RU, URS	4575.0
RUU 76	Leningrad Meteo, RU, URS	3300.0* 6600.0
RUU 78*	Leningrad Meteo, RU, URS	4900.0
RUZU*	SAAM Molodezhnaya, ANT	9280.0
RVL 21*	Khabarovsk Meteo, SE, URS	8085.0
RVM 45*	Tashkent Meteo, UZ, URS	5430.0
RVO 71*	PTT Moscow, RU, URS	5360.0
RVO 72	R Moscow feeder, RU, URS	5815.0
RVO 73	Moscow Meteo, RU, URS	5150.0
RVO 76	Moscow Meteo, RU, URS	2815.0
RVO 79	Moscow Meteo, RU, URS	6910.0
RVU 75	R Moscow feeder, RU, URS	9350.0
RVW 50*	PTT Moscow, RU, URS	4835.0
RVW 53*	Moscow Meteo, RU, URS	13530.0
RVW 55	R Moscow feeder, RU, URS	13820.0
RVW 57*	TASS Moscow, RU, URS	12315.0
RVZ 73*	Arkhangelsk Meteo, RU, URS	3655.0
RWD 52*	TASS Moscow, RU, URS	5830.0
RWH 79*	Alma Ata Meteo, KA, URS	10570.0
RWM	Moscow TS, RU, URS	4996.0 9996.0 14996.0
RWM 71*	TASS Moscow, RU, URS	15780.0
RWM 72*	APN Moscow, RU, URS	15630.0
RWM 73*	PTT Moscow, RU, URS	15750.0
RWM 74*	APN Moscow, RU, URS	15720.0
RWM 75*	APN Moscow, RU, URS	15690.0
RWM 77*	APN Moscow, RU, URS	16145.0
RWM 79*	APN Moscow, RU, URS	14950.0
RWN 71*	APN Moscow, RU, URS	18455.0
RWN 72*	PL Moscow, RU, URS	18600.0
RWN 79*	PTT Moscow, RU, URS	4000.0

CALL SIGN LIST 25

RWU 55*	APN Moscow, RU, URS	15693.0
RWW 7.*	Moscow Meteo, RU, URS	73/5140.0 74/5020.0 79/4550.0
RWZ 7.	Moscow Meteo, RU, URS	72/3330.0* 77/11525.0
RXA 7.	Alma Ata Meteo, KA, URS	71/3995.0* 75/8085.0 76/9927.5 77/13707.0
RXB 7.	Khabarovsk Meteo, SE, URS	70/3250.0 72/4516.7 75/7475.0
RXO 7.	Khabarovsk Meteo, SE, URS	70/9230.0 72/14737.0 74/19275.0
RYM	IAG Moscow, RU, URS	10275.0 13360.0
RYO 7.	Novosibirsk Meteo, SW, URS	76/12320.0 79/5765.0
RYP 29	Khabarovsk Meteo, SE, URS	5110.0
RZA 24*	APN Moscow, RU, URS	10865.0
RZA 26	R Moscow feeder, RU, URS	10670.0
SAA	Karlskrona R, S	2789.0
SAB/...	Goeteborg R, S	-/2423.5+2761.0* 2/4299.5 3/6451.5 4/8646.0 6/12755.5 8/17057.2 9/22438.5 23/4268.6* 25/25415.5 33/6460.0* 44/8556.0* 63/12818.0* 83/17024.0* 93/22356.8* 209/4354.0* 214/4356.5* 301/6494.5* 319/6503.5* 407/8708.0* 424/8716.5* 606/13074.0* 624/13083.0* 814/17204.0* 864/17229.0* 907/22564.5* 932/22577.0*
SAC	Trelleborg R, S	2621.0
SAE	Tingstade R, S	2768.0
SAG/..	Goeteborg R, S	-/1785.0+1904.0+4357.4+4363.6+4382.2+4410.1+4416.3+4428.7+6512.6+ 6518.8+8718.9+8725.1+8740.6+8749.9+8771.6+8793.3+8799.5+8805.7+ 13107.0+13128.7+13131.8+13141.1+13144.2+13150.4+13156.6+13169.0+ 13178.3+17232.9+17239.1+17245.3+17254.6+17273.2+17282.5+17285.6+ 17298.0+17338.3+17356.9+22602.2+22617.7+22627.0+22633.2+22648.7+ 22679.7+22685.9+22698.3+26144.4+26150.6 2/4262.0 3/6372.5 4/8498.0 6/12880.5 8/17079.4 9/22413.0 25/25461.0 1650.0 2733.0 14522.0 14524.0* 14901.2 14903.4* 14963.0 18947.0*
SAH	Härnösand R, S	1650.0 2733.0
SAM	MFA Stockholm, S	14522.0 14524.0* 14901.2 14903.4* 14963.0 18947.0*
SAM 45*	Swedish E Ankara, TUR	14405.8
SAM 48*	Swedish E Damascus, SYR	14524.0
SAM 51*	Swedish E Tehran, IRN	14516.7
SAM 52*	Swedish E Tel Aviv, ISR	14524.0
SAM 59*	Swedish E Hanoi, VTN	19218.0
SAM 79*	Swedish E Lusaka, ZMB	18951.9
SDJ	Stockholm R, S	1771.0 1778.0 2754.0
SDN 6*	STA Stockholm, S	10780.0
SDQ 7	STA Stockholm, S	18187.0
SDU 9*	STA Stockholm, S	18295.0
SHG 83	STA Stockholm, S	13942.0
SLZ	SAF Kristinehamn, S	125.2
SMA .	Norrköping Meteo, S	4/4037.5 6/6901.0 8/8077.5
SNN 299*	MFA Warsaw, POL	4025.0 5923.0 8154.0 9153.0 9454.0 10415.0 13781.9
SOA 21.*	Warsaw Meteo, POL	211/111.3 212/129.5
SOE 349*	Warsaw Meteo, POL	4497.0 8994.0
SOF 280*	PAP Warsaw, POL	5800.0
SOG 2..	PAP Warsaw, POL	277/6773.0 280/6805.0* 284/6848.0*
SOH 256	PAP Warsaw, POL	7562.0
SOH 284*	PAP Warsaw, POL	7845.0
SOH 289*	PTT Warsaw, POL	7894.0
SOH 289B*	PAP Warsaw, POL	7892.5
SOH 299*	Warsaw Meteo, POL	7997.0
SOI 200	PAP Warsaw, POL	8001.0
SOI 208*	PTT Warsaw, POL	8081.0
SOJ 2.9*	PAP Warsaw, POL	229/9298.0 239/9391.0
SOK 269	PAP Warsaw, POL	10694.0
SOL ...	PAP Warsaw, POL	242B/11423.5* 249/11494.0* 349/11497.0 353/11535.0
SON 2...	PAP Warsaw, POL	249B/13496.5* 260B/13602.4* 261/13616.0 263/13563.6* 279/13793.0*
SOO 236*	PAP Warsaw, POL	14362.0
SOQ 221*	PAP Warsaw, POL	16210.0
SOR 249*	PAP Warsaw, POL	17492.0

CALL SIGN LIST 26

SOT 2...*	PAP Warsaw, POL	265/18650.0 265A/18651.5* 265B/18648.5* 299B/18993.5
SOV 293.*	PAP Warsaw, POL	293A/20936.5 293B/20933.5
SOY 240.	PAP Warsaw, POL	240A/23408.0 240B/23405.0*
SPA/..	Gdynia R, POL	-/8706.0* 9/22495.0 42/8716.0* 61/13072.5* 62/13090.0*
SPB/61	Szczecin R, POL	-/8707.0 61/13073.5*
SPC/..	Gdynia R, POL	-/1818.0+2726.0 21/4425.6 22/4372.9 23/4360.5 31/6509.5 41/8753.0 42/8790.2 43/8728.2 44/8734.4 61/13147.3 62/13187.6 63/13125.6 64/13193.8 81/17251.5 82/17325.9 83/17332.1 91/22639.4 92/22692.1 93/22611.5 94/22620.8
SPE ..	Szczecin R, POL	21/4306.0 22/4331.0 31/6459.0 32/6376.0 41/8557.0 42/8650.0 61/12939.0 62/12872.0 63/13022.0 81/16974.0 82/16861.7 83/17070.0 91/22505.0 92/22551.0
SPH ..	Gdynia R, POL	9/22399.0 21/4337.0 22/4272.0 23/4319.0 31/6383.0 32/6398.0 41/8482.0 42/8634.0 43/8666.4 44/8678.0 61/12721.0 62/12826.5 63/12928.0 81/16887.5 82/17016.0 83/17064.0 84/16914.5 22407.0
SPI 9	Gdynia R, POL	-/1757.0+2831.0 21/4379.1 22/4366.7 31/6515.7 41/8746.8 42/8808.8
SPO/..	Szczecin R, POL	61/13159.7 62/13181.4 81/17307.3 82/17347.6 91/22651.8
SPS	Witowo R, POL	2639.0 2719.0
SPW	Warsaw R, POL	4633.5 7402.5 7404.0 7692.5 7863.5 7865.0 7892.5* 7894.0 11424.0* 11425.0 11621.5 13602.4* 18993.5*
STK*	Khartoum Air, SDN	3602.5 5117.0 6783.5 6865.0 7803.5 8101.0 9347.5 10235.5 11061.5 11507.5 11634.5 13996.5 16203.5 18165.5 18543.5
STP	Port Sudan R, SDN	1750.5 2740.0 4226.5 8652.0
STS .0*	SUNA Khartoum, SDN	20/15731.0 50/18788.0
SUA ...*	MENA Cairo, EGY	34/7756.0 40/3571.0 50/13653.0 94/5220.0 99/3356.0 211/5275.0 231/7610.0 246/10150.0 251/10610.0 289/15845.0
SUC*	Cairo Air, EGY	3220.6 4690.0 5612.0 6792.0 10635.0 14500.0 14631.0 14776.0
SUH/.	Alexandria R, EGY	-/2576.0+2817.0+4410.1+6518.8+8768.5+13147.3+17260.8+22673.5 3/8578.0 4/12970.5 1680.0 1849.0
SUK	Quseir R, EGY	1680.0 1849.0
SUP	Port Said R, EGY	4325.0 6425.0 8473.0 13060.0
SUU	Cairo Meteo, EGY	4526.0 5559.0* 7317.2* 10123.0 11014.0* 14738.5* 17634.0* 18103.0*
SVA .	Athens R, GRC	2/4343.0 3/6478.8 4/8687.0 5/13047.0 6/17094.8 7/22417.0 8/25401.0
SVB .	Athens R, GRC	2/4239.4 3/6344.0 4/8704.0 5/13029.0 6/17194.4 7/22410.8
SVD .	Athens R, GRC	2/4223.0 3/6411.0 4/8536.5 5/12720.0 6/17188.0 7/22471.5 8/25535.0
SVF .	Athens R, GRC	2/4327.0 3/6444.5 4/8690.0+8692.5 5/12833.0 6/16995.0 7/22500.0
SVG .	Athens R, GRC	4/8454.5 5/12942.0 6/16981.5 7/22327.5
SVH	Iraklion R, GRC	1742.0 2799.0 3640.0
SVI .	Athens R, GRC	4/8681.0 5/12859.0 6/16966.0 7/22346.5
SVJ .	Athens R, GRC	4/8530.0 6/17147.2
SVK	Kerkyra R, GRC	1696.0 2607.0 2830.0 3613.0
SVL	Limnos R, GRC	2730.0 3793.0
SVM 6	Athens R, GRC	16903.0
SVN/.	Athens R, GRC	-/1680.0+1879.0+2590.0+2768.0+3624.4+3660.9+3772.9 2/4394.6+ 4400.8+4428.7+4431.8 3/6512.6 4/8722.0+8734.4+8740.6+8743.7+ 8759.2+8774.7+8777.8+8787.1 5/13103.9+13110.1+13119.4+13134.9+ 13141.1+13159.7+13196.9 6/17251.5+17257.7+17307.3+17310.4+ 17313.5+17319.7+17335.2+17353.8 7/22620.8+22645.6+22651.8+ 22667.3+22689.0+22701.4 1824.0 2624.0 3630.0
SVR	Rhodes R, GRC	1824.0 2624.0 3630.0
SVS .*	Athens R, GRC	4/8710.0 5/13079.5
SVT 6*	Athens R, GRC	17208.5
SVU .	Athens R, GRC	3/6502.0* 6/17221.5
SVX	Chios R, GRC	1820.0 3743.0
SWA*	Athens Air, GRC	4950.0 9315.0

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SXA/..	GN Piraeus, GRC	-/119.7+12689.2 2/3685.0 32/3651.5 33/3712.5 34/4294.0 35/6415.0 36/12997.0
SXE	HCG Elevisis, GRC	4256.5 6360.0 8516.3 17032.0
SXH	GN Khania, GRC	4610.0
SVX 8*	GN Spata, GRC	8462.0
SYZ*	INTERPOL Athens, GRC	13520.0
S2D*	Dhaka Air, BGD	10612.8
S2M 33*	BSS Dhaka, BGD	19100.0
S3D	Chittagong R, BGD	2140.0 4360.5 4366.7 4388.4 4403.9 6506.4 6509.5 6512.6 8694.0 8718.9 8734.4 8746.8 8799.5 13056.0 13103.9 13113.2 13122.5 13169.0 13190.7 17239.1 17282.5 17298.0 17316.6 17329.0 22599.1 22614.6 22636.3 22645.6 22651.8 22664.2 22695.2
S3E	Khulna R, BGD	2140.0 4231.0 4394.6 4403.9 6509.5 6515.7 6518.8 8658.0 8768.5 8784.0 8805.7 13024.0 13153.5 13159.7 13178.3 17248.4 17304.2 17338.3 22599.1 22623.9 22673.5 22679.7
S3K	Hiran Point Pilot R, BGD	1610.0 1617.0 1707.0 2046.0 2049.0 2075.0 2080.0
S3L	Chittagong Port R, BGD	2005.0
S3P	Juldia Port R, BGD	2005.0
S7Q	Victoria R, Mahe, SEY	2595.0 4349.0 4385.3 8445.0 8771.6 12660.0 13144.2 17232.9
S7Z*	Victoria Air, Mahe, SEY	9909.0
S9M	Sao Tome R, STP	2680.0 2780.0 4283.0 4403.9 4431.8 6332.0 8634.0 8728.2 8759.2 12817.0 13110.1 13138.0 16966.0 17285.6 17347.6 22344.0 22620.8 22648.7
TAD*	MFA Ankara, TUR	10006.0 10087.0 10684.0 10816.0 13552.3 13835.0 16973.0
TAH	Istanbul R, TUR	4253.0 6491.5 8611.5 8662.0 12736.5 12801.0 17008.8 17021.6
TAM 4	Iskenderun R, TUR	2629.0 3648.0 4416.3 22664.2
TAM 5	Mersin R, TUR	2820.0 8725.1 13116.3 13147.3 17263.9 22633.2 22636.3
TAM 6	Antalya R, TUR	2693.0 4382.2 17291.8
TAM 7	Canakkale R, TUR	1850.0 4376.0 8746.8 13178.3
TAN	Istanbul R, TUR	2670.0 4407.0 8749.9 8811.9 13153.5 17254.6 22685.9
TAN 2	Izmir R, TUR	1850.0 2760.0 4357.4 6509.5 17285.6
TAN 5	Zonguldak R, TUR	2670.0 4388.4 13165.9
TAN 6	Samsun R, TUR	1760.0 2760.0 4416.3 17248.4
TAO 2	Trabzon R, TUR	2760.0 4357.4 6509.5
TBA .	TN Ankara, TUR	2/4260.0 3/6395.0 4/8493.0 6/6382.0 7/8572.0
TBB .	TN Ankara, TUR	5/4350.0 6/6502.0 7/8555.0
TBH 3	TN Izmir, TUR	3358.5
TBO/.	TN Izmir, TUR	-/8189.0 3/6374.0 4/8504.0 5/12748.4
TCR	TURBAN Istanbul R, TUR	2760.0 6400.5 8662.0 12736.5
TCY 4*	AA Ankara, TUR	18040.0
TEC	Puntarenas R, CTR	8291.1 8472.0 12429.2 13058.0
TFA	Reykjavik R, ISL	1650.0 1876.0 1890.0 4372.9 4397.7 4403.9 4413.2 6344.0 6506.4 6512.6 8690.0 8731.3 8737.5 8743.7 8811.9 13069.0 13116.3 13122.5 13144.2 13159.7 16909.7 17248.4 17276.3 17307.3 17322.8 22670.4 22673.5
TFM	Neskaupstadur R, ISL	1640.0 2700.0
TFT	Hornafjoerdur R, ISL	1673.0 1862.0 4372.9
TFV	Vestmannaeyjar R, ISL	1715.0 2628.0
TFX	Siglufjoerdur R, ISL	1862.0 1883.0 2600.0 4397.7 4403.9
TFZ	Isafjoerdur R, ISL	1862.0 2724.0
TIM	Limon R, CTR	4290.0 4297.0 8478.0 8480.0 13100.0 16873.0 17149.0 22336.0 22546.0
TJC/.	Douala R, CME	-/8771.6+8802.6+13181.4 6/8449.0 7/8718.0 8/13069.0
TJK*	ASECNA Douala, CME	4787.0 7474.0 9136.0 9223.5 11677.5

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TKM	Grasse R, F	1834.0 2649.0 3722.0
TLO*	ASECNA Bangui, CAF	9183.7
TLZ 93	SOCATI Bangui, CAF	9305.0
TNA/..	Pointe-Noire R, COG	-/2705.0 8/8453.0 12/12682.5
TNB 82	OTIC Brazzaville, COG	15798.0
TNL*	ASECNA Brazzaville, COG	3744.0 3898.0 4487.5 8122.8 9196.0 9285.0 9807.5 10132.0 14724.0 14989.0
TNL 97*	Brazzaville Meteo, COG	10137.0
TNO*	ASECNA Pointe-Noire, COG	6772.0
TRA	Libreville R, GAB	2586.0 13101.0
TRK*	ASECNA Libreville, GAB	3544.5 6941.5
TRP 8	Gamba R, GAB	6509.5
TTL*	ASECNA N'djamena, TCD	7630.0 12263.0
TTR 88*	ICRC N'djamena, TCD	20754.4
TTZ/..	STIT N'djamena, TCD	-/10115.0*+10115.4+10120.7 49/14972.0*+14974.5+14978.2 64/16408.2+16413.3* 90/19083.7+19090.0*+19096.0
TUA/.	Abidjan R, CTI	-/2586.0+4413.2+6512.6+8784.0+13113.2+17335.2+22670.4 3/4343.0 4/8465.0 5/13060.5 9/16947.8
TUH*	ASECNA Abidjan, CTI	5848.0 7690.0 9143.7 9846.0 11486.0
TUW	INTERPOL Abidjan, CTI	14827.0 18380.0*
TXU	Saint-Pierre R, SPM	2038.0 2115.0 2410.0 2582.0
TYA	Cotonou R, BEN	1813.0 2320.0 2586.0 6265.0 6383.0
TYE*	ASECNA Cotonou, BEN	5222.3 7524.0
TZH*	ASECNA Bamako, MLI	4535.0 7355.0 11060.0 11515.0
T3C	Takaronga R, Tarawa Atoll, KIR	2117.0 4388.4 8759.2
UAD 2	Kholm'sk R, FE, URS	4245.0 6420.0
UAH	Tallinn R, ES, URS	3310.0 4285.0 4350.0* 4351.0 6405.0 6485.0 8476.0 8710.5* 8712.0 12723.0 13092.5* 17077.0
UAT	Moscow R, RU, URS	6499.0* 8440.6 8480.0* 8500.0* 8645.0* 8653.0* 8707.5* 12739.0* 12910.0 12993.0* 13089.0* 13100.8 16992.8 17066.0* 17228.0* 17248.4 22512.0 22567.5 22614.6
UAW	Makhachkala R, RU, URS	3237.5
UBC 7	Uglegorsk R, FE, URS	2720.0
UBD	Krasnovodsk R, TU, URS	3170.0
UBE 2	Petropavlovsk-Kamchatskiy R, FE, URS	4271.0 6370.0 8793.3 13000.0 13128.7 17276.3
UBN	Zhdanov R, UK, URS	2805.0 3190.0 4265.0 4351.0 4394.6 6355.0* 6477.5 6495.5 6498.0 8607.0* 8620.0 8711.0 12697.0* 12711.0* 12732.0 13076.5* 16993.5* 17141.6* 17356.9
UBN 3	Severo-Kuril'sk R, FE, URS	6420.0
UCO*	Pyright Klingenfuss, D	1987.0 7400.0
UCO	Yalta R, UK, URS	2585.0 8436.0 12760.0
UCY 2	Astrakhan' R, RU, URS	2780.0 4369.8 6345.0 8728.2
UDH	Riga R, LA, URS	2535.0* 3185.0 4236.0 4335.0 4357.4 6341.5* 6368.5 6496.0* 8506.0 12671.5* 13070.0 13082.5* 13113.2 16955.0* 16997.0 17181.0* 17206.5* 17322.8 22455.0
UDK 2	Murmansk R, RU, URS	3250.0 4260.0 4413.2 6393.5 6455.0 6503.0* 6512.6 8580.0* 8698.0 8774.7 12797.0 12803.0 12925.0* 13010.0* 13050.0* 13175.2 16922.0 17020.0 17267.0 22497.0 22701.4
UDY*	SAM Novyy Port, SW, URS	7485.0
UEK	Feodosiya R, UK, URS	6370.0 17014.0

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UFB	Odessa R, UK, URS	3310.0 4230.0 6341.5 6345.0* 6353.0* 6447.0 6505.5* 8528.5 8593.0 8643.5* 12947.0* 12950.0 13041.0* 13075.0* 13075.5* 13087.0* 13091.5* 13113.2 17063.0 17103.2* 17218.5 17301.1 22555.0 22599.1 22648.7
UFF	Sukhumi R, GE, URS	2464.0
UFH	Petropavlovsk-Kamchatskiy R, FE, URS	3590.0 4323.0 4391.5 6405.0 8451.0 8555.0 8808.8 12825.0 13181.4 17288.7 22692.1
UFL	Vladivostok R, SE, URS	2605.0 4285.0 4357.4 6385.0 6445.0 6512.6 8515.0 8595.0 8731.3 12729.0 12955.0 13100.8 17110.0 17251.5 22350.0 22435.0 22599.1
UFM 3	Nevelsk R, FE, URS	4345.0 4407.0 6334.5 8446.0 8808.8 13156.6 17316.6 22608.4
UFN	Novorossiysk R, RU, URS	4245.0 4275.0* 4369.8 8485.0* 8571.0 8706.5* 8708.0 8711.5* 8762.3 12891.0* 12919.0* 13040.0 13076.0* 13089.5* 13125.6 16890.5 17141.0* 17172.0* 17226.0* 17232.9 22349.5 22689.0 4223.0 4391.5 6375.0 8557.0 8759.2 13181.4 17316.6 22679.7
UGH 2	Juzno R, FE, URS	4223.0 4391.5 6375.0 8557.0 8759.2 13181.4 17316.6 22679.7
UGK 5	Kaliningrad R, RU, URS	1734.2
UHK	Batumi R, GE, URS	2800.0 4295.0 4357.4 6360.0 8546.0 8695.1* 8753.0 12912.0 12935.0 13113.2 17137.0 17190.1* 17322.8 22322.5
UHO 2	Yuzhno-Sakhalinsk Meteo, FE, URS	2550.0 4030.0 4480.0 8180.0 11025.0
UHZ	Kherson R, UK, URS	2099.0
UIB 2	Magadan R, FE, URS	4305.0
UJO 5	Izmail R, UK, URS	4277.0 4394.6 6386.5 6518.8 8618.0
UJQ/7	Kiyev R, UK, URS	-/6420.0+8635.0*+8784.0+12990.0*+13055.0+17015.0+17135.0*+17301.1 7/6416.0+12715.0*+17131.0
UJY	Kaliningrad R, RU, URS	2580.0 3737.0 6360.0* 6465.0 8454.0* 8460.5* 8466.0 12877.0 12877.5* 12973.0* 13054.0* 16865.0 16870.0* 16885.7* 16927.0* 16963.0* 17152.0 17224.5* 22403.0
UKA	Vladivostok R, SE, URS	4241.0 4286.5 6430.0 12870.0 12933.0 13086.0*
UKJ*	Astrakhan' R, RU, URS	8712.0
UKK 3	Nakhodka R, SE, URS	6439.0 8510.0 8768.5 12990.0 17060.0 17270.1
UKS*	SAM Barentsburg, Spitsbergen, NOR	11035.0
UKW 3	Korsakov R, FE, URS	3160.0 4283.0 8573.0
UKX	Nakhodka R, SE, URS	4233.0 4394.6 6417.0 8728.2 13181.4 17267.0 22608.4
ULL	Nikolayevsk-na-Amure R, FE, URS	2264.0
ULV*	SA/AAMC Moscow, RU, URS	10340.0 10830.0 11130.0
UMV	Murmansk R, RU, URS	2666.0 4307.0 4360.5 6331.5 6400.0 8620.0* 8690.0 8790.2 12661.5 12730.0 12905.5* 13092.0* 13119.4 16960.0 17218.0* 17226.0*
UNI	Ventspils R, LA, URS	2670.0
UNM 2	Klaipeda R, LI, URS	2830.0* 4229.0 4369.8 6427.0 6439.0* 6475.0* 8473.0 8701.0* 12703.0 12895.0 13113.2 17232.9
UON	Baku R, AZ, URS	2098.8 4307.0 4369.8 6400.0 17332.1
UOY	Nar'yan Mar R, RU, URS	2595.0
UPB	Provideniya R, FE, URS	3530.0 4357.4 6390.0 8570.0 8731.3 12720.0 17025.0
UQA 4	Kiyev R, UK, URS	12925.0 13010.0
UQB	Kholm'sk R, FE, URS	2450.0 3605.0 3890.0 6380.0 6483.0 6518.8 8675.0 8680.0 8709.5* 12678.0 13029.0 13090.0* 13141.1 16970.0 17310.4 22633.2
UQC	Korsakov R, FE, URS	2264.0
UQK	Riga R, LA, URS	4283.0 6369.0 6509.5 8446.0 8759.2 12688.5 12706.0* 13187.6 17304.2 22710.7
UQX 2	Poronaysk R, FE, URS	2720.0
URB 2	Klaipeda R, LI, URS	3215.0 3730.0 4422.5 6493.5* 8541.0* 8725.1 12745.0* 12815.0 13184.5 16878.0* 17050.0 17313.5 22692.1
URD	Leningrad R, RU, URS	2625.0 3540.0 4397.7 6354.0 6370.0* 6425.0 6450.0 6497.5* 8575.0 8600.0* 8687.6 8737.5 12693.0 12901.5* 13015.0* 13030.0 13091.0* 13110.1 16970.0* 17115.0 17245.3 17375.2 22633.2
URL	Sevastopol' R, UK, URS	2695.0 3775.0 12876.0 17038.5* 17150.2 22371.0* 22560.0*
USZ	SAM Dikson, SW, URS	11105.0
UTA*	Tallinn R, ES, URS	12755.0
UVD	Magadan R, FE, URS	4243.0 6365.0 8630.0
UWT	Taganrog R, UK, URS	2525.0

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UXN	Arkhangelsk R, RU, URS	2595.0 4253.0* 4349.0 4353.0* 4357.4 6470.0 6500.0* 8471.0* 8552.0* 8610.0 8787.1 12700.0* 12714.0* 12795.0 13088.5 13090.0* 13099.5* 13125.6 16867.5 17036.0* 17220.5* 17310.4
UZT	Mezen' R, RU, URS	3210.0
UZW 42*	Moscow, RU, URS	1118.0
VAE	CCG Tofino, BC, CAN	2458.0
VAF	CCG Alert Bay, BC, CAN	2458.0
VAI	CCG Vancouver, BC, CAN	4235.0 4385.3 6493.0 6518.8 8453.0 8737.5 12876.0 13119.4 17175.2 17254.6 22368.0
VAK	CCG Victoria, BC, CAN	2458.0
VAP	CCG Churchill, MAN, CAN	6370.0
VAZ 3	Canso Lock R, NS, CAN	2134.0 2237.0 2638.0
VCA	CCG Charlottetown, PEI, CAN	2530.0
VCO	CCG Sydney, NS, CAN	2530.0
VCS	CCG Halifax, NS, CAN	4285.0 4410.1 6491.5 6518.8 8440.0 8787.1 12874.0 13138.0 16948.5 17242.2 22387.0
VDD	CF Debert, NS, CAN	10772.0
VFA	CCG Inuvik, NWT, CAN	2558.0 4363.6 6335.5 12671.0
VFC	CCG Cambridge Bay, NWT, CAN	2558.0 4363.6 6351.5
VFF	CCG Frobisher Bay Meteo, NWT, CAN	3253.0 4236.5 6335.5 6512.6 7710.0 8443.0 8753.0 12671.0 13100.8 17335.2
VFR	CCG Resolute, NWT, CAN	4334.0 6438.0 8793.3
VFU 6	CCG Coppermine, NWT, CAN	4363.6
VIA	Adelaide R, SA, AUS	4272.5 4413.2 8768.5 13181.4
VIB	Brisbane R, QLD, AUS	4230.5 4400.8 6351.5 13187.6
VIC	Carnarvon R, WA, AUS	4323.0
VID	Darwin R, NT, AUS	4272.5 4400.8 4413.2 8487.0 8762.3 13181.4 13187.6
VIE	Esperance R, WA, AUS	4323.6
VII	Port Kennedy R, Thursday Island, AUS	4228.5 6333.5
VIM	Melbourne R, VIC, AUS	4228.5 4407.0 6333.5 13178.3
VIO	Broome R, WA, AUS	4323.6
VIP/..	Perth R, WA, AUS	-/4400.8+8734.4+8762.3+13178.3+13187.6+17242.2+22630.1 3/8597.0 4/12994.0 5/16947.6 6/22315.5 7/4229.0 32/6497.0 33/8707.5 35/17200.0 40/13076.0
VIR	Rockhampton R, QLD, AUS	4255.6 6333.5
VIS/..	Sydney R, NSW, AUS	-/4369.8+4407.0+8722.0+8805.7+13107.0+13193.8+17236.0+17260.8+ 22602.2+22664.2 5/12952.5 6/17161.3 26/8521.0 35/8452.0 42/22474.0 43/22495.0 49/12979.5 53/4245.0 62/17138.4 65/8711.5 67/13078.0 69/17204.0 84/8710.5
VIT	Townsville R, QLD, AUS	4255.6 4413.2 8768.5 8784.0 13107.0 13193.8
VIX .	RAN Canberra, ACT, AUS	2/4286.0 3/6428.5 4/8478.0 5/12907.5 6/16918.6 7/22485.0
VMA*	RAAF Melbourne, VIC, AUS	8110.0
VPS/..	Victoria Island R, HKG	-/2060.0+4388.4+4407.0+6512.6+6515.7+8731.3+8749.9+13181.4+ 13193.8+17310.4+17344.5+22645.6+22648.7 8/4232.5 22/22536.0 35/8539.0 36/8584.0 60/13020.4 61/13044.0 63/13077.5 79/16987.0 80/17096.0 82/17212.0 97/22564.0
VRN ..	Victoria Island R, HKG	35/8619.0 60/13031.0 80/17192.0
VRT	Hamilton R, BER	2547.0 2550.0 4277.0 4385.3 6487.5 6512.6 8449.4 8768.5 12709.2 13159.7 16947.6 17285.6
VTG .	IN Bombay, IND	3/2072.0 4/4268.0 5/6467.0 6/8634.0 7/12808.5 8/16938.0 9/22378.0
VTK/70	IN Tuticorin, IND	-/13430.0+19449.0 70/13580.0
VTP ..	IN Vishakhapatnam, IND	3/2295.0 4/4238.0 5/6418.0 6/8646.0 7/12840.0 80/19450.5
VUJ 9	Bhavnagar Port R, IND	2085.0 2103.0
VUK 5	Bedi Port R, IND	1760.0
VVD ...*	Delhi Meteo, IND	56/6978.0 57/7580.0 62/12075.0 65/14837.0 69/19400.0
VWA 1	Ramnagar Port R, IND	1650.0 4279.0 6388.0 8595.5 12820.0
VWA 2	Hugli Port R, IND	1650.0 4279.0

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VWA 509	Haldia Port R, IND	1650.0 4279.0
VWB	Bombay R, IND	2003.5 4316.0 8514.0 8630.0 8756.1 12710.0 12966.0 13128.7 17034.0 22551.0
VVC	Calcutta R, IND	2003.5 4286.0 8526.0 12745.5
VVG	Goa R, IND	2047.5
VVK	Kandla R, IND	2037.5
VVL	Mangalore R, IND	2037.5
VVM	Madras R, IND	2042.5 4301.0 8674.4 8722.0 12718.5 13150.4 16975.0
VVN	Cochin R, IND	2085.0
VVP	Port Blair R, IND	2037.5
VVT	Tuticorin R, IND	2003.5
VVV	Vishakhapatnam R, IND	2097.0 8510.0
VWZ	Ratnagiri R, IND	2042.5
V8L 2	SHELL Bandar Seri Begawan R, BRU	4400.8
WAH	Saint Thomas R, VIR	2506.0 2585.0 4357.4 6515.7 6518.8 8728.2 8743.7 13100.8 13103.9 17236.0 17239.1 22664.2
WAR*	USA MARS Washington, DC, USA	6999.5
WBL	Buffalo R, NY, USA	2514.0 2550.0 2582.0 4382.2 4410.1 8796.4
WCC	Chatham R, MA, USA	2036.0 4238.0 4268.0 4331.0 4356.5* 6333.5 6337.0 6376.0 6504.5* 8586.0 8630.0 8715.0* 12925.5 12961.5 13033.5 13081.5* 13090.0* 16904.9 16933.2 16972.0 16973.5 17207.5* 17216.0* 22348.5 22366.5 22518.0 22521.0
WCM	Withamsville R, OH, USA	2086.0 2782.0 4063.0 6515.7 8213.6 12333.1 16518.9
WGT	Loiza R, PTR	2530.0
WDU 23	Kodiak R, ALS	2309.0
WDU 26	Cordova R, ALS	2312.0 2397.0
WDU 29	Sitka R, ALS	2400.0
WFA	Tampa R, FL, USA	2466.0 2550.0
WFB 37*	ITT New York, NY, USA	7756.2
WFD 76*	ITT New York, NY, USA	16212.5
WFE 34*	ITT New York, NY, USA	14875.0
WFK ..*	USIA New York, NY, USA	48/18542.5 54/14638.0
WFN	Jeffersonville R, IN, USA	2782.0 4115.7 6518.8 8725.1 13103.9 17291.8
WGG 53	Cold Bay R, ALS	2312.0
WGG 56	Ketchikan R, ALS	2397.0
WGG 58	Juneau R, ALS	2400.0
WKG	Saint Louis R, MO, USA	2086.0 2782.0 4410.1 6212.4 8737.5 13103.9 17291.8
WKM	West Haven R, CT, USA	2060.0 4244.0 6418.5 6474.0 8502.0 8534.0 12745.5 12948.0 16978.4 22407.0
WKR	Nome R, ALS	2400.0
WLC	Rogers City R, MI, USA	2514.0 2550.0 2582.0 4382.2 4410.1 8796.4
WLO	Mobile R, AL, USA	2055.5 2572.0 4256.0 4256.5 4352.0* 4354.5* 4369.8 4397.7 4413.2 6446.0 6446.5 6499.0 6501.5* 6852.0 8445.0 8445.5 8453.0 8474.5 8707.0* 8712.0* 8717.0* 8790.2 8805.7 8808.8 9157.5 12704.5 12885.0 12886.5 13073.5 13078.5 13083.5* 13098.0* 13134.9 13175.2 13178.3 16967.5 16968.5 17172.4 17173.5 17199.5 17209.5* 17251.5 17329.0 17356.9 22318.5 22319.5 22320.0 22588.0 22676.6 22689.0 22707.6
WMH	Baltimore R, MD, USA	2063.0 4346.0 6351.5 8610.0 8686.0 12952.5 12952.9 17093.6
WMI	Lorain R, OH, USA	4382.2 4410.1 8796.4
WNU	Slidell R, LA, USA	2048.0 4294.0 4310.0 6326.5 6389.7 8525.0 8570.0 8688.0 8705.5 12826.5 12869.0 13011.0 13099.5 16861.7 17038.0 17117.6 17225.5 22431.0 22458.0
WOM	Pennsuco R, FL, USA	4363.6 4391.5 4407.0 4425.6 8722.0 8731.3 8746.8 8793.3 8811.9 13116.3 13122.5 13125.6 13144.2 13169.0 17232.9 17257.7 17260.8 17263.9 22639.4 22642.5 22661.1
WOO	Ocean Gate R, NJ, USA	4385.3 4388.4 4403.9 4422.5 8051.5* 8740.6 8749.9 8762.3 8796.4 13107.0 13128.7 13131.8 13184.5 13190.7 17245.3 17291.8 17310.4 17325.9 22596.0 22608.4 22623.9 22704.5

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WPD	Tampa R, FL, USA	4274.0 6365.5 8473.0 8615.5 8708.5 13051.5 17169.5
WSC	Tuckerton R, NJ, USA	4316.0 6484.5 8664.0 8680.0 12879.5 13063.5 16916.5 17106.5 22418.0
WWD	San Diego R, CA, USA	8644.1 17408.6
WWV	Fort Collins TS, CO, USA	2500.0 5000.0 10000.0 15000.0 20000.0
WWVB	Fort Collins TS, CO, USA	60.0
WWVH	Kihei TS, Maui Island, HWA	2500.0 5000.0 10000.0 15000.0
XDA	Mexico City R, MEX	8567.0 8575.5 8590.5 8626.0 8796.4 8805.7 12740.0 12836.0 12855.0 13014.5 13125.6 13175.2 16914.5 16942.5 17120.5 17140.0 17242.2 17273.2 22385.0 22400.0 22471.0 22516.0 22670.4 22698.3
XDA 80	Guadalajara, MEX	7511.0
XFA	Acapulco R, MEX	2600.0 4292.0 4363.6 6414.5 8514.0 8743.7 12752.0 13165.9 16935.5 22465.0 22670.4
XFB	Ciudad del Carmen R, MEX	2722.0 4307.5 6435.0 8562.5 8743.7 12675.0
XFC	Cozumel R, MEX	2802.0 4268.0 4363.6 4379.1 6390.0 6512.6 6515.7 8580.5 8743.7 12824.0 17273.2
XFE	Ensenada R, MEX	2725.0 4307.5 4394.6 6390.0 6515.7 8562.0 8796.4 13006.5 13165.9 16927.5
XFF	Coatzacoalcas R, MEX	2655.0
XFF 3	PEMEX Minatitlan R, MEX	4394.6
XFK	La Paz R, MEX	2665.0 4268.0 6350.0 6512.6 8505.0 12675.0 13165.9 22698.3
XFK 2	PEMEX La Paz R, MEX	4394.6
XFL	Mazatlan R, MEX	2805.0 4250.0 4379.1 6484.5 8470.0 8796.4 12703.0 17115.5
XFM	Manzanillo R, MEX	2685.0 4225.0 6354.0 8568.5 12829.5
XFN	Progreso R, MEX	2725.0 4225.0 6358.0 8621.0 8805.7 12729.0 17134.0 17282.5 22511.0
XFP	Chetumal R, MEX	2725.0 4292.0 4394.6 6439.0 6512.6 8595.5 12843.0
XFQ	Salina Cruz R, MEX	2745.0 4268.0 6360.0 8631.0 12708.0
XFS	Tampico R, MEX	2756.0
XFS 4	PEMEX Tecolutla R, MEX	4394.6 6512.6 6515.7 17242.2 17273.2 22698.3 22710.7
XFS 5	PEMEX Tuxpan R, MEX	6506.4 6512.6 17242.2 22670.4 22698.3
XFU	Veracruz R, MEX	2805.0 4285.0 4394.6 6367.0 8656.0 8805.7 12775.0 22477.0
XFU 2	PEMEX Veracruz R, MEX	6506.4 6515.7 17242.2 17273.2 22670.4 22710.7
XFY	Guaymas R, MEX	2710.0 4271.0 6435.0 8613.0 8805.7 12815.0
XSA 2	Nanjing R, CHN	8645.0
XSD	Yingkou R, CHN	4343.0 6370.0 8629.0 12740.0
XSE	Qinhuangdao R, CHN	4240.0 6442.0 8484.5 12889.5
XSF	Lianyungang R, CHN	4326.0 6477.5 8622.0
XSG/.	Shanghai R, CHN	~ /2610.0+4271.0+4319.0+4360.5+4369.8+4422.5+6414.5+6452.0+6506.4+ 8502.0+8753.0+8771.6+8805.7+12661.5+12871.5+12898.0+13107.0+ 13138.0+17030.0+17103.2+17254.6+17301.1+22312.5+22363.0+22401.0+ 22614.6+22651.8 3/8665.0 4/8451.0 7/12856.0 8/16916.5 22/4290.0 24/6454.0 26/8487.0 28/12954.0 29/17002.4
XSH	Basuo R, CHN	4278.0 6370.0 8634.0 12912.0
XSI	Sanya R, CHN	4310.0 6435.5 8651.0 12804.0
XSJ	Zhanjiang R, CHN	4295.0 6474.0 6489.0 8541.0 8614.0 12890.0 16968.8 22390.0
XSK	Beihai R, CHN	4244.0 6379.5 8530.0
XSK 4	Haimen R, CHN	4309.2 6435.5 8671.0
XSL	Fuzhou R, CHN	4343.0 6407.5 8598.0 12662.0 12727.5
XSM	Xiamen R, CHN	4314.0 6458.0 8453.0 12876.0
XSN	Ningbo R, CHN	4222.0 6383.0 8582.0
XSO	Wenzhou R, CHN	4293.0 6449.5 8586.0
XSO 4	Zhoushan R, CHN	4269.0 6340.0 8610.0
XSP	Shantou R, CHN	4228.0 6463.5 8457.0 12734.0
XSQ/.	Guangzhou R, CHN	~ /2620.0+4288.0+4340.0+4366.7+4385.3+4425.6+6390.0+6461.0+6515.7+ 8455.0+8514.0+8624.0+8746.8+8762.3+8784.0+12997.0+13054.0+ 13119.4+13131.8+13175.2+17080.0+17239.1+17273.2+22351.5+22525.0+ 22636.3+22673.5 4/8490.0+12700.0+16950.0+17091.0 7/12877.0+ 16884.5+22452.0
XSR	Haikou R, CHN	4266.0 6400.5 8702.0 12705.0

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XST	Qingdao R, CHN	4334.0 6369.0 8546.0 12790.0
XSU	Yantai R, CHN	2627.0 4274.0 4382.2 6428.5 8574.0 8765.4 12817.5 13100.8 17325.9
XSV	Tianjin R, CHN	2600.0 2750.0 4283.0 4372.9 4400.8 4428.7 6484.5 6515.7 8600.0 8617.0 8756.1 8765.4 8796.4 12822.0 12969.0 13116.3 13147.3 16862.5 17132.0 17260.8 17332.1 22318.5 22487.0 22596.0
XSW	Kaohsiung R, TAI	8511.0 8582.0 8631.8 12727.5 12864.2 16940.5 17035.4 22326.0 22336.0
XSX	Keelung R, TAI	8445.0 8505.8 12695.5 12785.0 17011.0 17053.0 22459.0
XSY	Hualien R, TAI	8546.0
XSZ	Dalian R, CHN	4253.0 4305.0 6333.5 8678.0 8694.0 12710.0 12799.5 17126.0
XTA 9	FCR Ouagadougou, BFA	11089.0
XTU*	ASECNA Ouagadougou, BFA	3781.0 4632.0 5807.5 6775.0
XUK .	Kompong Som Ville R, KMP	3/8480.0+8680.0 4/4342.0
XVG ..	Hai Phong R, VTN	4/2696.0+2747.0+4363.6 7/16945.0 8/12900.0 9/8470.0 22/4315.0
XVH 34*	PTT Hanoi, VTN	6805.5
XVN*	Hanoi Meteo, VTN	7512.0 7972.0
XVN 3	Nha Trang R, VTN	8694.0
XVN ..*	VNA Hanoi, VTN	26/9330.0 36/15744.0 37/10600.0 48/18264.0
XVR 4	Vung Tau R, VTN	2653.0 2845.0 4394.6 4400.8
XVR 94*	PTT Ho Chi Minh Ville, VTN	18934.0
XVS .	Ho Chi Minh Ville R, VTN	8/8590.0 9/13042.5
XVT 5	Da Nang R, VTN	8570.0
XVT 56*	PTT Hanoi, VTN	7660.0
XXG	Macao R, MAC	8469.0
XYR ..	Rangoon R, BRM	6/4292.0 7/8441.0 8/12867.0 9/17189.6 24/22375.0
XZW*	Rangoon Air, BRM	4015.0
YAB .	PTT Kabul, AFG	6/13979.0 8/16235.3*
YAD 4*	PTT Kabul, AFG	10859.0
YAK	PTT Kabul, AFG	9972.2* 9973.5* 18639.0
YAV*	Kabul Air, AFG	11065.0
YAV 23*	Kabul Meteo, AFG	9051.7
YBF 6	Medan, INS	6865.0
YFA	Ujung Pandang Air, INS	7680.0* 7730.0
YFD 2	Menado, INS	7314.5
YI. ..*	INA Baghdad, IRQ	L68/5867.0 L71/10162.5 L73/14373.0 072/13524.0 X70/14699.0 X75/7565.0 Z74/9867.0
YIR	Basrah Control R, IRQ	4220.0 6330.0 8440.0 12660.0 16880.0 16906.0 22338.0
YJM/.	Port-Vila R, VUT	-/2168.0+4143.6+4385.3+6218.6+8771.6 3/12678.0 4/4343.0 6/6344.0 8/8502.0
YKI	SCOTC Tartus R, SYR	2230.0 2644.0 4263.5 6353.0 8472.0 12699.0 16951.0
YKM 5	SCOT Baniyas R, SYR	6493.0 8667.0 12987.0
YKM 7	Lattakia R, SYR	3624.0 8625.0 12728.0
YKP ..*	SANA Damascus, SYR	22/2995.0 28/11080.0 33/15020.0
YKW 113*	STE Damascus, SYR	15727.0
YMA ..	Ankara Meteo, TUR	7/3550.0* 8/10424.0* 22/6790.0
YMB	USN Izmir, TUR	9205.4
YMH .	Bandirma Meteo, TUR	2/3636.0 3/6965.0 5/4562.2*
YOG 29*	PTT Bucharest, ROU	6908.3
YOG 37*	Bucharest Meteo, ROU	5400.0
YOG 39*	PTT Bucharest, ROU	6918.0

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YOG 59*	AGERPRES Bucharest, ROU	6972.0
YOJ 27*	AGERPRES Bucharest, ROU	9797.0 19594.0
YOJ 41*	PTT Bucharest, ROU	9168.0
YOM 21*	AGERPRES Bucharest, ROU	12110.0
YOV 28*	AGERPRES Bucharest, ROU	21807.5
YQI/.	Constanta R, ROU	-/2748.0 2/4323.5 3/6473.5 4/8459.0 5/12757.0 6/17037.0 7/22448.0
YRR/.	Bucharest Meteo, ROU	-/3852.0 2/4002.0*+8004.0* 3/5882.8 4/4045.0+5731.0* 5/3809.0*+7618.0*
YUR/.	Rijeka R, YUG	-/2574.0+2585.0+4379.1+4413.2+6509.5+6518.8+8746.8+8749.9+8808.8+13172.1+13187.6+17263.9+17313.5+22605.3+22611.5+22713.8 2/4346.0 3/8700.0 4/8445.0 5/12780.5 6/12907.5 7/16942.8 8/17045.6 9/22443.0
YUS	Split R, YUG	2221.0 3670.0 4357.4 6515.7 8784.0 13181.4 17285.6
YUW	Bar R, YUG	2752.0 4407.0 6506.4 8799.5 13119.4 17347.6
YUX	Dubrovnik R, YUG	2221.0 3670.0
YVG	La Guayra R, VEN	2120.0 4352.0 4416.3 6351.5 8461.0 8784.0 12817.5 13125.6 17141.6 17313.5 22642.5
YVMS 4	Caracas, VEN	7800.0
YVTO	Caracas TS, VEN	6100.0
YZ./.*	TANJUG Belgrade, YUG	A9/10278.8 C2/14632.0 D/7658.0 D6/7592.0 D7/7806.0 D9/7996.0 6/7800.0 I4/16343.0 J/20204.0 J4/19865.5 J5/13440.0 J6/15705.0 J7/16065.0 J8/17610.0 07/12212.3
Y2H 7*	DP Berlin, DDR	7784.0
Y2J*	DP Berlin, DDR	9047.5
Y2V ...*	ADN Berlin, DDR	3/5859.0 4/6990.0 5/7425.0 6/7432.0+7949.5+7950.5 7A/8068.0 7B/8067.0 9/9966.5 22A/10920.5 22B/10919.5 23/16325.0 24/14800.0 25/14825.0 26/16417.0 33/7307.0 34/7555.0 47/13895.0 53/5195.0 54/10543.0 57/16403.0
Y3A 5*	DP Berlin, DDR	10440.0
Y3B 2	DP Berlin, DDR	11600.0
Y3D/5*	DP Berlin, DDR	-/13375.0 5/13925.0
Y3I 3*	DP Berlin, DDR	18547.0
Y3L*	Potsdam Meteo, DDR	7980.0
Y3S	Nauen TS, DDR	4525.0
Y5M	Rügen R, DDR	1677.0 1680.0 1716.0 1719.0 2627.0 2630.0 2662.0 2665.0 2812.0 2815.0 4233.5 4240.0 4242.5* 4260.0 4265.0 4313.0 4369.8 4376.0 4385.3 4413.2 6343.0 6358.5 6428.5 6449.5 6466.0 6494.5* 6505.0* 8443.0 8463.0 8584.0 8608.5* 8660.0 8696.0* 8717.5* 8722.0 8743.7 8796.4 8811.9 12681.5 12702.0 12745.0 12860.5 13062.5 13103.9 13110.1 13116.3 13196.9 16892.9 16907.3 16965.0 17000.0 17100.0 17183.0* 17288.7 17319.7 17332.1 17353.8 22334.5 22393.0 22401.0 22422.0 22437.0 22481.0 22545.0 22550.0 22654.9 22667.3 22673.5 22685.9 25069.0 25308.0 26455.0
Y7A ..	MFA Berlin, DDR	20/146.0* 24/4840.0* 25/4880.0* 29/6803.5* 34/7812.5* 35/8008.3 36/9061.7+9062.0* 37/9078.0* 38/9086.0* 40/9140.0* 42/9919.7+9920.0* 44/10429.0 45/10463.7+10464.0* 46/10554.0*+10554.3 49/11459.0* 51/11574.0* 53/13436.0* 55/13950.0* 57/14460.0* 58/14569.0* 59/14619.0* 60/14818.0 62/15963.0* 63/16199.0*+16199.3 64/16243.0* 65/16268.0* 66/16308.0* 67/16356.8* 76/19390.0* 78/19699.8 80/20020.0* 82/20840.0*
Y7B 26*	GDR E Sofia, BUL	14462.0
Y7F 44*	GDR E Damascus, SYR	19392.7
Y7K ...*	MFA Berlin, DDR	21/5135.0 22/5360.0 30/14605.0 35/17428.0
ZAA/6*	ATA Tirana, ALB	-/7850.0+15700.0 6/9133.0+18266.0
ZAD/2	Durres R, ALB	-/2730.0+4360.5+8731.3+13116.3+17350.7+22673.5 2/4220.0+6434.0+8696.0+12690.0+17173.0
ZAO .*	PTT Tirana, ALB	2/6829.0+13658.0 3/9388.0

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ZAS	Sarande R, ALB	6310.5 6434.0
ZAT*	ATA Tirana, ALB	5202.7 9430.0 18860.0
ZAT	Tirana Air, ALB	7910.8
ZAV	Vlore R, ALB	4372.9
ZAY*	ATA Tirana, ALB	10435.0 20870.0
ZBI	Georgetown R, ASC	2752.0 2755.0 8737.5 8740.6
ZBM	Saint George's Harbour R, BER	2582.0
ZBP	Adamstown R, PTC	2162.0 12110.0
ZEK 7	REUTER Victoria Island, HKG	4474.0
ZEN 33*	AFP Victoria Island, HKG	7542.5
ZEN 96	REUTER Victoria Island, HKG	20222.0
ZHH	Jamestown R, SHN	3162.0 4397.7 8737.5 12963.5 13150.4
ZKJ	Penrhyn R, CKH	2012.0
ZKLF	Auckland Meteo, NZL	5807.0 9459.0 13550.0 16340.0
ZKN	Alofa R, NIU	2207.0 4143.6
ZKO	Aitutaki R, CKH	2012.0
ZKR	Avarua R, Rarotonga I., CKH	2207.0 4143.6 8449.0 8793.3 13165.9
ZLB/.	Awarua R, NZL	-/2423.0+4143.6 2/4277.0 3/6393.5 4/8504.0 5/12740.0 6/17170.4 7/22533.0
ZLC	Waitangi R, Chatham Is., NZL	2104.0
ZLD	Auckland R, NZL	2207.0 4143.6 6218.6
ZLF	Wellington TS, NZL	2500.0
ZLO	RNZN Waiouru, NZL	4260.3 8598.4 12716.9 16874.5
ZLP .	RNZN Waiouru, NZL	2/4250.0 3/6435.5 4/8678.0 5/12943.4 6/17127.2 7/22407.0
ZLW	Wellington R, NZL	2153.0 2601.0 4143.6 4379.1 6506.4 8737.5 13125.6 17248.4 22633.2
ZOE*	Settlement of Edinburgh Meteo, TRC	9972.5
ZPA	Asuncion R, PRG	4357.4
ZPB	Asuncion R, PRG	8805.7
ZPC	Asuncion R, PRG	13193.8
ZPD	Asuncion R, PRG	17301.1
ZPK	Asuncion R, PRG	4301.0 4307.0 4328.0 4337.0 6390.0 6397.0 6481.0 8534.0 8614.0 8674.0 12813.0 12903.0 12921.0 12984.0 13011.0 17084.0 17204.0 17228.0
ZRH	SAN Capetown, AFS	6336.7 7358.0* 7600.0* 8070.0* 9265.0* 10445.0* 15776.0*
ZRO .	Pretoria Meteo, AFS	2/7508.0+7512.0* 3/13773.0+13777.0* 4/18238.0+18241.8* 5/4014.0+4017.5*
ZRQ .	SAN Capetown, AFS	2/4222.2 3/6338.5 4/8470.0 5/12692.2 6/16964.2 7/22393.2
ZRS*	Transvaal Cove Meteo, MRN	9348.0
ZSA 2.	Cape Agulhas R, AFS	21/1710.0 22/1750.0 26/2593.0 29/2783.0
ZSC ..	Capetown R, AFS	6/8688.5 7/17164.8 9/12698.0 20/22347.5 21/6379.5 22/8449.0 23/12709.0 25/4369.8 26/8731.3 27/13125.6 28/17254.6 29/22605.3 33/4317.0 34/6478.0 36/6467.0 37/8502.0 38/12772.5 39/16890.8 40/22455.0 41/25277.0 42/8461.0 43/12772.0 44/17018.0 45/4261.0 46/4291.0 47/4143.6+6423.0 61/4353.5* 62/8717.0 63/13093.0* 64/17206.5* 65/22593.0
ZSD/..	Durban R, AFS	37/4376.0 38/8740.6 41/17332.1 42/22611.5 43/4242.5 45/8576.5 46/13028.0 47/17075.0 49/4240.0 50/8436.5 51/12663.0 52/16874.0 56/13172.1 60/8714.0* 61/13073.0* 62/17208.0
ZSE 2.	East London R, AFS	21/1710.0 22/1750.0 26/2593.0 29/2783.0
ZSJ .	SAN Capetown, AFS	2/4283.0 3/6386.5 4/8566.0 5/12849.0 6/17132.0
ZSL 2.	Lüderitz R, NMB	20/1700.0 21/1710.0 22/1750.0 23/1765.0 25/2593.0 26/2607.0 27/2716.0 28/2761.0 29/2783.0
ZSM 2.	Cape Columbine R, AFS	21/1710.0 22/1750.0 26/2593.0 29/2783.0
ZSQ 2.	Port Elizabeth R, AFS	22/4363.6 23/8725.1
ZSV ..	Walvis Bay R, NMB	4/1765.0 6/2607.0 7/2783.0 24/1700.0 26/2593.0 29/17254.6 31/4357.4 32/8718.9 33/13125.6

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ZUO	Pretoria TS, AFS	2500.0 5000.0
ZVK*	TASA Rio de Janeiro, B	5066.2 13795.0
ZXA 4	Tedut R, B	4379.1 8740.6 13122.5
ZXF 3	Bavit R, B	4379.1 8740.6 13122.5
ZZQ 8	Denor R, B	4379.1 8740.6 13122.5
3AC ..	Monte Carlo R, MCO	4/4363.6 5/4394.6 6/6509.5 8/8728.2 9/8743.7 12/13172.1 13/13070.0 16/17251.5 17/17192.0 18/8702.0 22/22651.8 32/22500.0
3BA .	Port Louis R, MAU	4/8554.0 5/12831.0
3BB	Port Louis Harbour R, MAU	4403.9 8802.6 13134.9 17288.7 22667.3
3BM .	Port Louis R, MAU	3/6351.5 5/12988.5 6/16978.4
3BT .*	Vacoas Meteo, MAU	3/7693.0 4/15955.0
3BZ*	Plaisance Air, MAU	9378.6
3CA 4	Bata R, GNE	4244.0
3CA 5	Malabo R, GNE	4337.0
3CA 6	Malabo R, GNE	17165.6
3CA 7	Malabo R, GNE	8706.0
3DP	Suva R, FJI	2111.0 4372.9 6509.5 8690.0 8746.8 12700.0 13103.9
3MA ..	CNA Taipei, TAI	22/13563.0* 23/19680.0 24/15878.0 25/14685.0 26/7695.0* 27/13766.0 28/10960.0* 29/5117.0 30/7330.0 34/9430.0 35/16224.0*
3SD	Beijing R, CHN	8460.0 12830.0 16902.0 22338.0
3VA*	INTERPOL Tunis, TUN	13520.0
3VA 74*	TAP Tunis, TUN	17390.0
3VB	Bizerte R, TUN	1687.4 2210.0
3VF 40*	TAP Tunis, TUN	13610.0
3VM	Mahdia R, TUN	1696.4 1771.0
3VP/.	Sakhira R, TUN	-/2221.0 6/4251.0 7/8534.0 8/12806.0
3VS	Sfax R, TUN	1672.4 2719.0
3VT	Tunis R, TUN	1768.4 2670.0
3VW 1	Bizerte Port R, TUN	1637.0
3XC .	Conakry R, GUI	2/6383.0 4/1813.0 5/2586.0 6/2805.0
3XO ..	Kamsar R, GUI	5/2586.0 6/1813.0 7/2800.0 27/6383.0
3ZB 201*	EI Warsaw, POL	17472.3
4NX 7*	INTERPOL Belgrade, YUG	9200.0 10295.0 10390.0
40./.*	TANJUG Belgrade, YUG	C2/5240.0 C3/5112.0 D/5450.0
4PB	Colombo R, SLK	4366.7 4376.0 4388.4 6509.5 8473.0 8725.1 8743.7 12925.5 13175.2 17045.6 17356.9
4QQ 74*	DW Trincomalee, SLK	17480.0
4UA*	UNO Rawalpindi, PAK	9157.0 15827.0 19734.0 19870.0
4UF*	UNECA Addis Ababa, ETH	19313.0
4UN*	UNO Jerusalem, ISR	9157.0
4UNQ*	UNIFIL Enn Naqoura, LBN	14500.9
4US*	UNO Nicosia, CYP	9923.5
4UV*	UNEP Nairobi, KEN	19280.0
4UZ*	UNO Geneva, SUI	7887.0 10461.0 15992.0 16234.3
4WD 3	Hodeidah R, YEM	4230.0 8588.0 12855.8
4WM	TAG Ma'rib, YEM	5458.9
4WR	GTZ San'a, YEM	5458.9
4WT	GTZ Ta'izz, YEM	5458.9

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4XA	Elat R, ISR	2649.0 2656.0 3656.0 3765.0
4XD	Potash R, ISR	1873.0 1890.0
4XM *	Tel Aviv Meteo, ISR	2/3834.0 4/13447.0
4XO	Haifa R, ISR	2649.0 3656.0 4238.0 4366.7 4385.3 4410.1 4425.6 6430.0 6470.5 6512.6 6515.7 8485.0 8694.0 8718.9 8731.3 8753.0 8799.5 12860.0 13051.5 13110.1 13119.4 13138.0 13144.2 17060.0 17146.4 17257.7 17270.1 17282.5 17316.6 22491.0 22605.3 22614.6 22645.6
4XQ 97*	PTT Tel Aviv, ISR	7919.0
4XT	Tel Aviv R, ISR	1918.0 3765.0
4XT 2	Genosar R, ISR	1708.0 2160.0
4XT 3	Tiberias R, ISR	1708.0 2160.0
4XT 4	En-Gev R, ISR	1708.0 2160.0
4XZ	IN Haifa, ISR	2680.0 2800.0 4289.0 6379.0 8437.0 12984.0 17050.4
5AB	Benghazi R, LBY	2513.0 2816.0 4422.5 6518.8 8450.0 8805.7 12660.0 13193.8 17291.8 22698.3
5AF	Tripoli Air, LBY	2822.0* 2950.0* 5644.0* 5900.0* 7904.9
5AH	Benina Air, LBY	7904.9
5AL	ARGOIL Tobruk R, LBY	4241.0 8480.0 16963.0
5AT	Tripoli R, LBY	2197.0 2320.0 2418.0 4413.2 4431.8 6506.4 6512.6 8515.0 8771.6 12680.0 13107.0 17263.9 22633.2
5BA/..	Nicosia R, CYP	-/2670.0+2700.0+3690.0+4347.5+8465.0+8623.0+12666.5 22/4372.9 24/4397.7 26/4434.9 34/6512.6 42/8737.5 44/8771.6 46/8777.8 48/8805.7 52/13100.8 54/13122.5 56/13190.7 62/17239.1 64/17329.0 72/22630.1 74/22648.7 92/8715.0* 94/17210.0*
5BC ..	CTA Nicosia, CYP	46/10141.0 68/14564.0 84/17385.0
5HD*	Dar es Salaam Air, TZA	9446.0 14355.0
5IZ 33	EAETC Zanzibar, TZA	7667.0
5LA **	VoA Monrovia, LBR	10/10880.0 28/18514.8+18516.2
5NK*	Kano Air, NIG	7817.5 16202.0
5NL*	Lagos Air, NIG	7426.0 9043.8 9105.0 10389.0 10984.0
5OW/..	Lagos R, NIG	-/2755.0+4425.6+6506.4+6518.8+8768.5+8774.7+13134.9+13193.8+ 16861.5+17307.3+17353.8+22599.1+22611.5 6/6411.0 8/8698.0 13/13065.5 17/17199.0
5OZ 2.	Port Harcourt R, NIG	22/2511.0+2630.0 23/8461.5+8490.0+8496.0+12696.5+12723.0+12935.5+ 16923.6+16942.0
5RA 35	Antananarivo, MDG	3889.5
5RD	Tolanaro R, MDG	2712.0 4372.9
5RL	Antseranana R, MDG	2712.0 4400.8
5RN	Nosy Be R, MDG	2652.0 4372.9
5RO	Mahajanga R, MDG	2579.0 4360.5
5RS	Toamasina R, MDG	2733.0 4232.5 4286.9 4372.9 6348.0 6430.4 6515.7 6518.8 8465.0 8573.9 8737.5 8811.9 12697.8 12860.8 13116.3 13175.2 16930.4 17147.9 17344.5 22338.0 22490.0 22716.9
5RT	Toliara R, MDG	2579.0
5SS	Sambava Air, MDG	7902.5
5ST	ASECNA Antananarivo, MDG	9426.0* 16245.0
5ST **	Antananarivo Meteo, MDG	28/4525.0 41/7552.5 83/17400.0
5TA	Nouadhibou R, MTN	1881.0 2652.0 8572.0
5TA ..	SNIM Nouadhibou, MTN	17/11164.7*+11165.7*+11173.0 20/15770.5+15774.8*+15775.8*+ 15778.0+15783.0
5TQ 2	COMINOR Nouadhibou, MTN	8005.1
5TX*	ASECNA Nouadhibou, MTN	6943.0
5TY*	ASECNA Nouakchott, MTN	5783.0
5UA*	ASECNA Niamey, NGR	5730.5 7596.0 7614.0 7922.0 8010.2 9159.5 9216.0 9848.0 14937.5

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5UY 610	SOMAIR Niamey, NGR	10652.4* 10654.7
5VA/8	Lome R, TGO	-/1650.0+2586.0 8/4363.6
5WA	Apia R, SMO	2206.0 4143.6 4357.4 6512.6 8777.8 13138.0 17304.2
5YD	Nairobi Air, KEN	7423.0* 7777.0 8165.0* 11546.0* 13366.5* 13737.0* 16245.0
5YE	Nairobi Meteo, KEN	6952.0* 7505.0* 9041.0* 9045.0 10111.0* 10115.0 10383.0* 10387.0 11123.5* 11127.0 12313.0* 12317.0 17363.0* 17367.0 17373.0* 17377.0 17658.0* 17662.0 22388.0
5ZF/.	Mombasa R, KEN	-/2595.0+4397.7+8784.0+13080.5* 2/8441.4 3/13065.0 4/17175.2
6MA	Mosulpo F R, KOR	1745.0 2032.0 2091.0 2438.0 2521.1 2583.0
6MB	Jumunjin F R, KOR	2530.0
6MC	Guryongpo F R, KOR	2405.0 2438.0
6MD	Kunsan F R, KOR	1936.0 2091.0 2517.0 2583.0
6ME	Yondok F R, KOR	2032.0
6MJ	Bangeojin F R, KOR	2517.0
6MK	Chungmu F R, KOR	2550.0
6MK 6.	YONHAP Soul, KOR	60/6983.0 67/8124.0
6MM	Masan F R, KOR	2449.0
6MN	Sokcho F R, KOR	2032.0 2521.1 2723.6
6MQ	Mugho F R, KOR	2521.1 2550.0
6OM*	Muqdisho Air, SOM	10109.5 10509.5
6VA/.	Dakar R, SEN	-/1813.0+2586.0+4366.7+8725.1+13134.9+17319.7+22654.9 3/4295.0 4/6383.0 5/8690.0 6/12655.0 7/16947.6
6VK 221*	PANA Dakar, SEN	20327.5
6VK 317*	PANA Dakar, SEN	16117.0
6VK 511	TELESENEGAL Dakar, SEN	11400.0
6VU*	ASECNA Dakar, SEN	5424.0 5684.0 6975.0 7483.0 7657.0 9070.0
6VU 73*	Dakar Meteo, SEN	13665.0
6VY 41*	Dakar Meteo, SEN	7585.0
6WW	FN Dakar, SEN	8992.5 13410.0 16951.5
6YI	Kingston R, JMC	2587.0 2590.0 3535.0 4369.8 4403.9 6470.5 6518.8 8465.0 8753.0 13065.0 13172.1 16947.6
6YX	JCG Kingston, JMC	2738.0 4225.0 6350.0 8450.0 12750.0
7IT 4	Manado, INS	7866.6
7OA	Aden R, YMS	2595.0 3628.0 4391.5 8441.4 8774.7 13060.5 17175.2
7OB 40*	ANA Aden, YMS	9072.0
7OB 45*	ANA Aden, YMS	9965.0
7OB 48*	YEMENTEL Aden, YMS	10528.0
7OB 64	YEMENTEL Aden, YMS	13822.5 13826.0*
7OB 9.	YEMENTEL Aden, YMS	90/19053.0* 93/19677.5+19679.5*
7OC	Khormaksar Air, YMS	5442.5* 5875.0* 5879.0* 7340.0* 11541.1* 11640.0* 16245.0
7OIR*	Riyan Air, YMS	8855.0
7QZ 32*	Lilongwe Air, MWI	8137.5
7RQ 20	MFA El Djaza'ir, ALG	8950.0* 10996.0 16149.0 18145.0 20149.0
7TA/..	El Djaza'ir R, ALG	-/1792.0+2691.0+2775.0 2/4288.0 4/6415.0 6/8437.0 8/12662.0 10/16932.0 12/22543.0 13/4385.3 14/4394.6 15/4428.7 16/4434.9 17/6506.4 18/6512.6 19/6518.8 20/8722.0 21/8743.7 22/8756.1 23/8793.3 24/13119.4 25/13144.2 26/13150.4 27/13196.9 28/17319.7 29/17325.9 30/17341.4 31/17356.9 32/22608.4 33/22670.4 34/22676.6 35/22710.7
7TB	Annaba R, ALG	1911.0 2394.0
7TO	Oran R, ALG	1735.0 2586.0 2719.0

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7XA 97*	El Djaza'ir Meteo, ALG	6983.7
7XR 31	Bechar Meteo, ALG	6945.0
8BB 35*	Jakarta Meteo, INS	11500.0
8BN	Medan Air, INS	6925.0* 8067.4
8EA 25	Merak, INS	7370.0
8PO	Bridgetown R, BRB	2582.0 2723.0 4376.0 6379.5 8449.3 8765.4 8793.3 12709.0 13138.0 16947.6 17353.8
8Q9*	Male Air, MLD	6988.9
8RB	Demerara R, GUY	2555.0 2558.0 8449.0 12709.0 16947.6
8UF 75	INTERPOL Delhi, IND	19360.0
8WB 1*	Indian E Belgrade, YUG	16378.0
8WB 4*	Indian E Tehran, IRN	16379.2 16408.2
8WC 0*	Pyright Klingenfuss, D	7400.0
8WC	Publications, Tuebingen	1987.0
8WD .*	MFA Delhi, IND	2/11148.2 3/19055.0 4/16375.4
9DM ..*	Tehran Meteo, IRN	9/5343.5 17/10685.5 27/17552.0
9GA	Takoradi R, GHA	1835.0 3150.0 4262.0 4360.5 6424.0 6506.4 8542.0 8787.1 12669.0 13103.9 17175.2 17279.4 22633.2
9GC*	Accra Air, GHA	4510.0 5738.0 5803.5
9GX	Tema R, GHA	1940.0 2820.0 3150.0 4340.0 4382.2 6480.0 6509.5 8696.0 8793.3 12765.0 13172.1 16920.0 17298.0 22639.4
9HA*	Luqa Air, MLT	3595.0 7795.5 17548.6 19958.5
9HD	Valetta R, MLT	2625.0 4223.5 4385.3 6506.4 8441.4 8737.5 12709.2 13147.3
9HY 15*	DW Cyclops, MLT	15712.0
9JZ*	Lusaka Air, ZMB	8118.0 11443.0
9KK/..	Safat R, KWT	-/2200.0+2750.0+2765.0 2/4299.0 3/4413.2 4/6381.0 5/6509.5 6/8525.0 7/8737.5 8/12895.0 9/13172.1 20/12925.0 21/17288.7 22/16995.0+17298.0 23/22504.0 24/22605.3 25/22642.5 32/4431.8 52/6518.8 72/8743.7 92/13181.4
9KT ...*	KUNA Safat, KWT	22/3803.0+3807.0 24/5023.0+5027.0 25/6858.0+6862.0 26/7911.5+ 7915.5 27/9227.0+9231.0 29/11574.0+11578.0 33/14831.0+14835.0 262/7599.0+7603.0 263/7649.0+7653.0 264/7697.0+7701.0 281/10153.0+10157.0 282/11493.0+11497.0 292/12075.0+12079.0 321/14418.0+14422.0 331/15643.0+15647.0 344/17623.0+17627.0 349/18307.0+18311.0 351/18278.0+18282.0 352/18293.0+18297.0 356/18640.5+18644.5
9LL	Freetown R, SRL	2710.0 2755.0 6411.0 8710.0 8728.2 13042.5 17175.2
9MB .	MN Georgetown, Pinang I., MLA	2/4239.0 3/6481.0 4/8630.8 5/12781.5 6/16950.0
9MG ...	Georgetown R, Pinang I., MLA	2/8492.0+8595.5+8698.0 3/12678.0+12831.0+12943.5 4/2680.0 6/4228.0+4337.0 8/4400.8+4407.0 9/8718.9+8771.6 10/6470.5 11/17045.6+17172.4 12/22465.0 20/2191.0 21/4416.3+4431.8 22/13131.8+13178.3 24/2790.0 29/6218.6 30/6506.4 32/8291.1 33/8811.9 35/12429.2 37/16587.1 38/17263.9 40/22124.0 42/22689.0
9MK .	Kuantan R, MLA	5/2191.0 7/2620.0 8/2830.0
9MP .	Kelang R, MLA	5/2191.0 6/1980.0 7/2694.0
9MY 21*	PTT Kuala Lumpur, MLA	11540.0
9MY 63*	Kuala Lumpur Meteo, MLA	18354.0
9NK*	Kathmandu Air, NPL	10486.0

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9PA	Banana R, ZAI	4357.4 4382.2 8445.0 8546.0 8753.0 8762.3 8777.8 12660.0 13181.4 17184.8 17350.7 22431.0
9PL*	Kinshasa Air, ZAI	9058.0 11027.5 14786.5 18363.5
9RE 395	PTT Lubumbashi, ZAI	19434.6* 19435.7 19442.0
9VF 63*	ANSA Singapore, SNG	10408.0
9VF 76*	TAS Singapore, SNG	11007.0
9VF 205*	JIJI Singapore, SNG	16150.0
9VF 206*	ANSA Singapore, SNG	16265.0
9VF 207	KYODO Singapore, SNG	16270.0
9VF 209*	JIJI Singapore, SNG	17430.0
9VF 232*	ANSA Singapore, SNG	20910.0
9VF 233*	KYODO Singapore, SNG	20960.0
9VG ..	Singapore R, SNG	5/2760.0 9/6340.5 25/8530.0 26/12817.5 27/22479.0 33/4313.0 34/12707.0 36/8688.0 37/12659.5 52/2780.0 53/16868.5 54/4322.0 55/6412.0 56/8476.0 57/12724.0 58/16966.5 59/22428.0 60/4369.8 61/4376.0 62/6509.5 63/8728.2 64/8762.3 65/8790.2 66/13147.3 67/13156.6 68/17270.1 69/17356.9 70/22630.1 73/8609.5 76/6501.0* 77/6504.0 78/8709.0* 79/8715.0* 80/13071.5 81/13085.5 82/17197.5 83/17205.5* 94/13082.0 95/13089.0 96/17209.5
9WD 617	Ranau Air, Sabah, MLA	6825.0
9WE 752	Tawau, Sabah, MLA	5140.0
9WH 20	Kota Kinabalu R, Sabah, MLA	4143.6 6221.6 8294.2
9WW 20	Kuching R, Sarawak, MLA	2130.0 4143.6 6221.6 8294.2 8522.0
9XK 79*	DW Kigali, RRW	18212.0
9YL	North Post R, TRD	2735.0 3165.0 6470.5 8441.0 12885.0 17184.8

VII. Frequencies and stations without complete official call sign, and co-channel stations

1. Introduction

Many stations do not use their official call sign according to the ITU identification regulations specified in chapter IV. Notorious exceptions are

- air stations using ICAO location indicators, e.g. 'LGAT' instead of SWA;
- diplomatic and military stations using fictive call signs, e. g. 'DFZG' = MFA Belgrade; '93 WPR' = SN Huelva;
- military stations using tactical call signs which change regularly (daily), e. g. 'HR3Z', 'B26M', etc.;
- military stations using NATO routing indicators, e.g. 'RBSL', 'UBDAD', etc.

2. NATO routing indicators

NATO routing indicators are used in military telecommunications throughout the Western World. They are applied in the standard teletype message format as well as in operational traffic or test tapes.

A routing indicator consists of four to seven letters. The first four or five letters indicate the location, while the rest indicates the addressed military unit or sub-unit. The first four letters are decoded according to the following table:

First letter	Second letter	Third letter	Fourth letter
Type of use	Country	Operation area	Force service
A	Australia	East Asia	Army
B	Commonwealth		Army
C	Canada	Central North America	Army
D	Denmark	United Kingdom, Iceland	Army
E	Spain	Eastern North America	Army
F	France	Continental Europe	Army
G	Germany (F.R. of)		Army
H	U.S. of America	Central South Pacific	Army
I	Italy		Navy
J	Argentina		Navy
K	Greece	Alaska, Aleutian Islands	Navy
L	Luxembourg	Caribbean, South America	Navy
M	SEATO	South East Asia	Navy
N	Netherlands		Navy
O			Navy
P	Portugal		Air Force
Q	Belgium	Middle East	Air Force
R			Air Force
S	S. Afr. (R. of)	Western Asia	Air Force
T	Turkey	Iberia, Northwest Africa	Air Force
U	U.S. of America		Air Force
V		South Africa	Air Force
W		Western North America	Joint
X	CENTO, NATO		Joint
Y	Norway	Australia	Joint
Z	New Zealand		Joint

Examples:

- RFFLBCF: Strategic French Army in Continental Europe (sub-unit BCF of FF Toulon, F)
- RPTII: Strategic Portuguese Navy in Iberia (PN Ponta Delgada, AZR)
- UBDA: Tactical British Army in the Commonwealth (UNID major switching centre during annual British military exercises)

For examples of NATO routing indicators used in standard military teletype messages see chapter XXII.

3. List of stations

Listed are

- ITU country/geographical symbol;
- call sign (apostrophe indicates routing indicator, or call sign not in compliance with official ITU allocations);
- name of the station;
- frequency (-ies) in kHz.

An asterisk * indicates a RTTY station or frequency, or RTTY used on this frequency alternately with other type(s) of modulation.

AAB	Region 1	2170.5
	coast stations calling frequency	
	Region 1	2191.0
	ship stations calling frequency	
	Region 1	2046.0 2049.0
	ship-to-shore working frequency	
AFG	Czech E Kabul*	18318.0
	PTT Mazar-e Sherif*	6767.9
AFS	ZS. ..	many R stations
AGL		1700.0 1765.0 2607.0 2716.0 2761.0
ALB	ZA.	KUP Jamba*
ALG		18330.8
		many R stations
		2282.0 2400.0 4302.0
		APS El Djaza'ir*
		14932.0 15480.0
		Czech E El Djaza'ir*
		14394.6
	'KARIM'	MOI El Djaza'ir*
		8002.0 13332.0
		SAPB Oran R
		1650.0
		SAPB Skikda R
		1650.0
		Tindouf
		5570.0
		Vietnamese E El Djaz.*
		11425.0
ARG		DyN Buenos Aires*
		2749.5 11013.0
	L..	many R stations
		2065.0 3860.6 4143.6 4239.5 6218.6 8291.1
		NA Buenos Aires*
		10805.0
		TELAM Buenos Aires*
		7428.5
ARS		Abu Safa Oilfield*
		8577.0
		SABS Riyadh feeder
		5068.0 10990.0 11175.0
ATG		English Harbour R
		2582.0
AUS	VI.	many R stations
		2056.0 2201.0 4143.6 4366.7 4428.7 6512.6 8749.9
	VI./.	many R stations
		6407.5 6463.5
	'MET'	OTC Sydney, NSW*
		9043.5
AUT		DDSG Vienna R
		4066.1 4072.3 6206.2 8204.3
		Egyptian E Vienna*
		14867.7
		Italian E Vienna*
		7790.0
		Polish E Vienna*
		5433.0
AZR	'RPFR'	PAF Lajes AFB*
		10753.5
	'RPTIH'	PN Horta*
		3694.0
	'RPTIG'	PN Lajes, Flores Isld.*
		3840.0
	'RPTI'	PN Ponta Delgada*
		3694.0 7355.0 7840.0 13480.0
		Ponta Delgada Pilot R
		2132.0
B	PW.	many BN stations
		4260.0 4307.0 6375.0 6453.0 8480.0 8670.0 12750.0 12804.0
		16902.5 17060.0 22329.5 22461.0
	PY. 2.	many Iate Clube R stns.
		4137.4 4143.6 4431.8
	PP.	many R stations
		2086.0 2089.5 2096.5 4143.6 4366.7 4369.8 4382.2 4403.9 4413.2
		8291.1 8774.7 8790.2 8802.6 8808.8
	P.. ...	many R stations
		4379.1 4410.1 8740.6 8771.6 13122.5 13153.5
	Z..	many R stations
		4410.1 8771.6 13153.5
BEL		Oostende Pilot R
		1708.0
		Vlissingen Pilot R
		1708.0
		Zeebrugge Pilot R
		1708.0
BEN		Cotonou Port R
		2321.0
BFA	'RFTJFO'	FF Ouagadougou*
		10415.0
BOL		Cochabamba
		7890.2
BUL		Czech E Sofia*
		7958.0

BUL		GDR E Sofia*	16361.0
	'DOR'	MFA Sofia*	8175.0 12297.0
		MFA Sofia*	8337.0 16345.0
CAF	'RFFXI'	FF Bangui*	14750.0 15860.0 16226.5
CAN		Husky Oilfield, NFLD*	4590.3
	V..	many CCG stations	2514.0 2538.0 2582.0 2598.0 4376.0
	VA.	many CCG stations	2054.0
(CAN)		many CFARS stations	14384.5 14445.0 14458.5
		many RCAF stations	11233.0
CAR	KUP 6.	many R stations	2616.0 2724.0
CHL	CB./..	many DGTMM R stations	2738.0 4143.6 4357.4 4366.7 4413.2 4431.8 6218.6 6506.4 6515.7
			8291.1 8718.9 8737.5 8743.7 8756.1 8762.3 8768.5
CLM		INTERPOL Bogota*	19405.0
CME	'D3S'	French E Douala*	8123.0
CNR		SAF Las Palmas	6737.0
COP	'YRI 19'	GHT Klingenfuss, D	87074.0
CTI		Abidjan F R	2416.0 2650.0 4366.7 6509.5 8734.4 13134.9
CUB		Antillana Salvage R	4143.6 6218.6 8291.1
	CL./.	many R stations	2760.0
CYP	'CJL'	MFA Nicosia*	16339.5
D	'RFGX'	FF Baden-Baden*	5404.0 5439.0 7902.0
		Hamburg Meteo	7931.7
		MFA Bonn*	11538.5
		Nürnberg*	4810.5
		Polish E Bonn*	5868.0 9132.0
		RFE Holzkirchen feeder	4465.0 4565.0 5125.0 5295.0 5790.0 6995.0 9170.0 9250.0 10420.0
			10860.0 14712.5 16065.0
		Tübingen*	3597.5
		VoA Ismaning feeder	7722.5
DDR	Y2V ..	ADN Berlin*	13735.0
		INTERFLUG Berlin	8984.0 11237.5 15046.0 17975.0
		Potsdam Meteo*	1757.0 2014.0 2458.2 4441.0
DJI	'RFQP'	FF Jibuti*	5832.6 8107.6 9078.0 10813.6 13442.0 13654.6 16124.6 19384.6
			20855.0
	'DJR'	Jibuti Air	5333.5* 16245.0
		PTT Jibuti	7690.0
		WODECO Oilrigg*	10351.5
DMA		Roseau Port R	2216.5 2284.5 3690.1 4136.3 8281.2 12421.0 16565.0 22094.5
DNK		Polish E Copenhagen*	7383.0
DOM	HI./..	many Pilot R stations	2738.0
E		Aguino R	1866.0
		Arrecife R	1730.0 2586.0
		Barcelona R	1730.0 2707.0
		Burela R	1810.0
		Cabo de Gata R	1866.0 2679.0
		Cedeira R	1800.0
		Chipiona R	1700.0 2842.0
		Cillero R	1691.5
		COPE Ayamonte R	1800.0
		COPE Bermeo R	1754.0
		ENPA Valencia R	3306.0 3325.0 4868.0
		Isla Cristina R	1904.0
		La Coruna R	1748.0 2596.0
		Lequeitio R	2580.0
		Machichaco R	1704.0 2586.0
		Madrid Meteo	3650.0 10250.0
		Palma de Mallorca R	2792.0
		Polish E Madrid*	13851.0
		SA Betera*	3501.3
		Sada R	1707.0
		SAF Madrid	6737.0
		San Fernando R	2632.0

E	Santona R	1840.0
	SA Valencia*	3501.3
'94 PLL'	SN Cartagena*	2251.0 2795.0 4363.0 6276.0 6864.0
'93 WPR'	SN Huelva*	4196.0 5273.0 6844.0
'RETJ'	SN Madrid*	2808.0 3001.5 5430.0 12469.5 12703.0
'98 OQJ'	SN Madrid*	2419.0 2787.5 2848.0 4230.0 4279.0 4311.2 6251.0 6357.0 6377.5
		6447.0 6771.0 8326.0 8391.0 8441.0 8447.0 8458.0 8465.0 12693.0
		12932.5
'96 OQZ'	SN Tarifa*	4607.0
'RUTA'	SN/USN Rota*	16202.0
EGY	'RZU'	Bulgarian E Cairo*
	CLP ..	Cuban E Cairo*
		Czech E Cairo*
		Italian E Cairo*
		MFA Cairo*
		6751.7 7811.7 9310.7 10906.7 11256.7 11311.7 12241.7 12469.7
		12538.7 14456.7 14914.7 15021.7 15023.7 15041.7 16211.7 16318.7
		17114.7 19001.7 19006.7
		Polish E Cairo*
ETH		15952.0
		Polish E Addis Ababa*
F		20624.6
		Castres Gendarmerie*
		4471.0
		Egyptian E Paris*
		16751.7
		Embrun Gendarmerie*
		3872.5
'RFFE'	FF Bordeaux*	7475.0
'RFFEC'	FF Bordeaux*	5072.5
'RFFJ'	FF Cherbourg*	5455.0
'RFFGDI'	FF Dijon*	6948.0
'RFFC'	FF Lille*	5740.0
'RFFF'	FF Lyon*	5192.5 5357.0
'RFFH'	FF Marseille*	5061.5 5224.0 5316.0 6939.4
'RFFS'	FF Metz*	3803.0
'RFFVA'	FF Paris*	8094.7 12136.7
'RFFDC'	FF Rennes*	6925.0
'RFFG'	FF Strasbourg*	3388.0 5818.0 5847.5
'RFFX'	FF Versailles*	6942.5 8004.0 10121.0 10123.0
'RFFUJ'	FF Villacoublay*	13977.7 17462.7
	Le Havre Signal R	1743.0
	many Cross R stations	2677.0
'P6Z'	MFA Paris*	9259.0 18760.0
'RFGW'	MFA Paris*	4605.7 10726.5 11085.0 11483.0 13558.1 13953.0
'RFFA'	MOD Paris*	2563.0 3826.5 5092.5 5396.6 5878.0 7605.0 8150.0 9980.5 10176.0
		10949.6 13310.0 13592.0 13649.6 16164.6 17653.0 18502.0 19047.0
		20178.0
		Pakistan E Paris*
		19002.5
'RFFAAX'	Paris Gendarmerie	3675.5* 3677.0
HBD ..	Swiss E Paris*	5757.0
(F)		many FAF stations
FNL		6701.0
G		many Pilot R stations
		2418.0 2747.0
		Benin E London
		21855.0
		Czech E London*
		7523.0
		Saint Helier R, Jersey
		1726.0
		Saint Peter Port R,
		1662.5 1792.0 1810.0
		Guernsey
		RAF Portland
		8993.0
'RXDB'	RN London*	8449.0
'CRO'	USAF Wolvey*	9923.0 10532.9 10533.7 10534.1 10534.6
GAB	'RFTJD'	FF Libreville*
	'RFTJDA'	FF Libreville*
		11042.0
		10665.0
		Libreville Port R
		2306.0 2654.0 3197.0 3237.0 6204.0 8268.4
		2153.0 2321.0 2652.0 2791.0
GNE	'MAL'	Spanish E Malabo*
GRC		18205.0
		Egyptian E Athens*
		6626.7
		GDR E Athens*
		14409.0

GRC		VoA Kavalla*	6943.0 14982.9 14984.3 18265.8 18267.2
		VoA Rhodes*	10879.8 10881.2
GUI		CBG Kamsar*	16259.0
		Egyptian E Conakry*	19553.7
HTI		Port-au-Prince R	2738.0
I		Algerian E Rome*	8985.9
		Cagliari Police*	4062.0
		Crotone R	1715.0 2663.0
	'RIFAWC'	IA Ariano Irpino*	5786.8
	'RIFAQE'	IA Como*	5777.8
	'RIFAGB'	IA Miselmeri*	5082.9
	'RIFAG'	IA Palermo*	3685.7
	'RIFAHB'	IA Teulada*	6903.3
	'RIFAGF'	IA Trapani*	3685.8
		IFG Modena*	3872.8
	'RIFMCF'	IN Rome*	2436.0 5875.0 11175.0
		Lampedusa R	1876.0
		Livorno R	1925.0 2591.0
		Mazara del Vallo R	1883.0 2211.0 2600.0
		MFA Rome*	7351.5 7352.5 7486.5 7905.5 7910.5 9426.5 10141.5 10171.5
			11021.5 11171.5 11643.5 13425.5 13761.5 13813.5 19671.5
		San Benedetto del Tronto R	1855.0
		Turkish E Rome*	10087.0
IND	'RBSL'	IN Bombay*	5013.0 8135.0 8500.0 10120.0 12903.0 16922.0
	'RBSWN'	IN Cochín*	8320.0
		Indonesian E Delhi*	18491.5
INS	P..	many R stations	12682.5
	P.. ..	many R stations	6221.6 8802.6
	PK.	many R stations	4238.0 4295.0
	PK. .	many R stations	4410.1 6337.0 6355.0 6491.5 6506.4 8445.0 8686.0 8808.8
	PK. ..	many R stations	2690.0 3180.0 4143.6 4425.6 6218.6 6456.5 6512.6 6515.7 6518.8
			8626.0 8759.2 8796.4 12980.0
		MFA Jakarta	18063.5 19112.5* 19117.5*
IRL	'21'	MRCC Shannon*	2461.5
IRN		IRNA Tehran*	7960.0 8050.0 19200.0
	EQ.	many R stations	4292.0 6362.0 6515.7 8469.0 8790.2 13069.5
IRQ		Bulgarian E Baghdad*	14416.0 14703.5
		GDR E Baghdad*	14414.0
		Italian E Baghdad*	17003.5
ISR		Kol Israel feeder	17630.0
J		Czech E Tokyo*	16108.2
		Kushiro Harbour R	2785.9
	J..	many R stations	4244.0 6386.5 6512.6 8534.0 8698.0 8811.9 12660.0 13015.5
			13196.9
	J../5	many R stations	2091.0 2150.0
		Osaka Harbour R	2019.0
JOR		PETRA Amman*	6830.0 11580.3 13485.0 15810.0
KEN		Egyptian E Nairobi*	13226.7
KLI	NGE 74	NF Uss Copyright, FRG*	19870.0
KMP	'SPK 72'	SPK Phnom Penh*	9255.0
KOR		Anhung F R	2027.0
		Cheju F R	2032.0
	DS.	many F R stations	2091.0 2115.0
	6M.	many F R stations	2115.0
		many F R stations	2115.0
	6M./.	many Port R stations	1880.0
	HL.	many R stations	2091.0 2583.0
		Samch'ong F R	2521.1 2723.6
		Taeha-dong F R,	2449.0
		Ullung do Island	
KRE		Czech E Pyongyang*	18320.4

KRE		GDR E Pyongyang*	15908.0	
		KCNA Pyongyang	7363.7 11411.7	
		PTT Pyongyang	10809.0	
LAO		KPL Vientiane*	14640.0	
LBN		Czech E Beirut*	14409.0	
	'RFFXL'	FF Beirut*	13980.0 14961.0	
		Italian E Beirut*	6767.5	
		PLO Beirut	14390.0	
LBR	5LA ..	VoA Monrovia*	7042.5 7442.5 7478.0 13995.0	
LBY		Bulgarian E Tripoli*	15922.0	
		JANA Tripoli*	10518.0 12186.0 14573.0 15462.0	
LCA		Castries Lighthouse R	2146.0 2327.0 2381.0 2527.0 2582.0 2638.0	
		Vieux Fort Lighthouse R	2146.0 2381.0 2527.0 2582.0 2638.0	
MDG		Ambatondrazaka	4782.0	
		Antalaha R	2663.0 4360.5	
		Antsohihy	3645.0	
		Maintirano R	2712.0 4400.8	
		Manakara Sud R	2579.0 4360.5	
		Mananjary R	2652.0 4400.8	
		Morondava R	2652.0 4372.9	
		Nosy Be	6924.5 6955.5	
		Toamasina	3995.0	
MEX	XF. .	many PEMEX R stations	2660.0 4346.0 4363.6 4379.1 6442.5 8690.0 8743.7 8796.4 8805.7	
			12790.0 13165.9 17069.6	
	XF./.	many PEMEX/R stations	4366.7 8768.5 13125.6 13175.2	
	XF.	many R stations	2270.0 2320.0 2431.0 2470.0 2542.0 2560.0 6506.4 17242.2	
MMM	Region 1		2053.0 2056.0	
		intership working frequency		
		Regions 2 and 3	2635.0 2638.0	
		intership working frequency		
MNG		Polish E Ulan Bator*	16338.0	
MOZ		Egyptian E Maputo*	12301.7	
MRC		Egyptian E Rabat*	9316.7	
		VoA Tanger*	5460.0 9855.0 10972.0 11000.0 12223.5 13770.0 13870.0 19914.9	
MRT	'RFLI'	FF Fort de France*	6770.0 6935.0 11108.8 15960.0 16142.0 19100.0	
MTN	'D7.'	FF Nouakchott*	16230.0	
		Spanish E Nouakchott*	17422.3	
MWI	7QH ..	many RAILMA R stations	3563.6	
MWM		supplementary worldwide	4125.0 6215.5	
		distress and calling frequency		
		worldwide	3023.0 5680.0	
		calling/distress/safety frequency		
		worldwide coast and ship stations	4143.6 6218.6 6221.6 8291.1 8294.2 12429.2 12432.3 12435.4	
		simplex frequency	16587.1 16590.2 16593.3 22124.0 22127.1 22130.2 22133.3 22136.4	
		worldwide	4357.0 6506.0 8718.5 13100.0 13100.5 17232.0 17232.5 22595.0	
		coast stations DSC frequency*	22595.5	
		worldwide	2182.0	
		distress and calling frequency		
		worldwide	8257.0 12392.0 16522.0	
		distress and safety frequency		
		worldwide DSC	2187.5 4188.0 6282.0 8375.0 12563.0 16750.0	
		distress and safety frequency*		
		worldwide	10003.0 14993.0 19993.0	
		MSV SAR operations frequency		
		worldwide NBDPT	2174.5 4177.5 6268.0 8357.5 12520.0 16695.0	
		distress and safety frequency*		
		worldwide	4187.5 6281.5 8375.5 12562.0 12562.5 16750.5 16751.0 22248.0	
		ship stations DSC frequency*	22248.5	
		worldwide	8364.0	
		survival craft stations frequency		
MYT	'RFVITT'	FF Dzaoudzi*	10262.0	
NIG		Sapele Port R	8799.5	

NIG		SHELL Lagos*	6837.0	
NOR	LG.	many R stations	2695.0	
		STATOIL Bergen*	3149.0	
NZL	ZMH ..	many Harbour R stations	2012.0 2162.0 4143.6 4419.4	
		Taharoa Harbour R	2480.0	
OMA		Egyptian E Muscat*	6741.7	
		Salalah Port R	2635.0	
PAK		MFA Islamabad	14465.0 14467.7*	
PHL	D.. .	many R stations	4136.3 4230.0 6209.3 6213.5 6515.7 8451.0 8777.8 8784.0 8802.6	
			8808.8 12661.5	
	DZ.	many R stations	17245.3	
	DV. 7	Navotas R	8728.2	
		VoA La Union, Poro I.*	11477.0 14526.5 19792.5	
PNG		Port Moresby Air	9336.0 10173.0	
PNR		Armuelles Port R	4139.5	
		La Palma Port R	4139.5	
		Vacamonte Port R	4139.5	
POR	'RPFN'	PN Lisbon*	3259.0 6860.0 7397.0 9226.0 11017.0	
	'RPFNCF'	PN Lisbon*	13000.0	
(POR)	CT.	many PN stations	2657.0	
PRU	O.. .	many PELPER R stations	4475.0	
	OB. .	many R stations	4376.0 4397.7 6474.0 8546.0 8749.9 13015.5	
REU	'RFVI'	FF Le Port*	6745.6 7642.1 7895.0 10262.0 10867.1 10872.0 13844.6 16012.1	
			16086.0 20632.0	
ROU		Yugoslav E Bucharest*	10612.0	
S	SAB 8..	Goeteborg R*	17225.5	
		Polish E Stockholm*	4521.8 10182.9	
		SN Muskö*	3038.0	
		Stockholm Air	11222.0	
SEN		Egyptian E Dakar*	11231.7	
	'RFTJ'	FF Dakar*	5098.5 6900.0 7455.0 10605.0 10916.0 12088.5 14925.0 17377.0	
			19144.0	
		French E Dakar*	14640.0	
		FRG E Dakar*	16331.1	
		Kaolack R	1630.0 2586.0	
		MFA Dakar	18119.0	
		Ziguinchor Port R	3168.0	
		Ziguinchor R	1630.0	
SPM	'RFNP'	FF Saint-Pierre*	10680.6 10857.6 15775.0	
SUI		Polish E Berne*	7776.0	
SYR		Bulgarian E Damascus*	8804.0	
	CLP ..	Cuban E Damascus*	15873.2	
		Czech E Damascus*	14402.2	
		STE Damascus*	7867.1	
TCH	OM.	many R stations	6506.4	
		Prague Meteo*	3196.0 4336.0 6392.0	
TRD		AMOCO Galeota R	2292.0 2398.0 2735.0 2738.0	
		Port of Spain R	6210.4 8281.2 12421.0	
		TOC Pointe-a-Pierre R	2166.0 2406.0 2506.0 2558.0 2638.0	
TUN		Egyptian E Tunis*	14909.7	
	'K4X'	French E Tunis*	11060.0	
	3VW/.	many Port R stations	1743.0	
TUR		Czech E Ankara*	11000.0	
		Italian E Ankara*	8220.7	
TUV		Funafuti Island R	4388.4	
TZA		Zanzibar R	2049.0 2638.0	
UAE		ABK Oilfield*	4534.5	
URG	CW. ..	many UN stations	2040.5 2638.0 2721.5 4143.6 6218.6 6221.6	
	CW./..	many UN stations	2226.5 4280.0 4369.8 6376.0 8294.2 8578.0 12655.5 16904.9	
URS		AEROFLOT Moscow, RU	13220.0	
		APN Moscow, RU	11575.0* 13937.5* 16155.0* 17550.0* 18245.5*	
	'S'	Beacon Arkhangelsk, RU	8645.5 13635.5	

WITHOUT CALL SIGN 8

URS	'P'	Beacon Kaliningrad, RU	4767.0	5862.0	6802.2	6986.0	8646.2	10644.2	13636.2	17016.2
	'K'	Beacon Khabarovsk, SE	7904.5	14476.5						
	'U'	Beacon Kholm'sk, FE	13639.0							
	'C'	Beacon Moscow, RU	5306.0	6802.0	8646.0	10644.0	13636.0	17016.0	20992.0	
	'O'	Beacon Moscow, RU	5308.0	6804.0	8648.0	10646.0	13638.0			
	'Z'	Beacon Mukachevo, UK	6804.7							
	'U'	Beacon Murmansk, RU	3635.5	4447.5	8082.2	8135.5	8669.5	9056.5	9313.5	10215.2 15704.5
	'D'	Beacon Odessa, UK	5307.0	6803.0	8647.0	10645.0	13637.0	17017.0	20993.0	
		Benin E Moscow, RU*	21855.2							
	'UWWB'	Bugul'ma Air, RU*	7322.9							
		Egyptian E Moscow, RU*	12446.7	12471.7						
		Khar'kov, UK*	3550.0	5735.0						
		Kishinev Air, MO	6617.0							
		Kiyev Air, UK	6617.0							
RGC 7.		Kiyev Meteo, UK*	3290.0							
		Krasnoyarsk Air, SW*	4135.0							
		Leningrad Air, RU	6617.0							
		Leningrad Meteo, RU	6210.0							
		Moscow Air, RU	6617.0							
		Moscow Meteo, RU	1651.5*	8010.0	18712.0					
		Murmansk Meteo, RU	4142.0	10520.0						
		Novosibirsk Meteo, SW	4471.0	4475.0	4479.0	8950.0				
		Prokop'yevsk Air, SW*	5204.0							
		PTT Moscow, RU	13977.5							
		Riga Air, LA	6617.0							
		R Moscow feeder, RU	4500.0	8110.0	10637.5	10654.0	13735.0	15650.0		
		Rostov-na-Donu Air, UK	6617.0							
		Rostov-na-Donu Meteo, UK	9100.0	18200.0						
		Sverdlovsk Air, SW*	3210.0	4330.0	6209.0					
		TASS Moscow, RU*	8780.0							
		Tbilisi Air, GE	6730.0							
		Tomsk Air, SW*	3372.0							
		Vivi Air, SW*	4805.0							
		Zhigalovo Air, SE*	4339.4							
USA		VoA Bethany feeder, OH	10869.0							
		VoA Bethany, OH*	10233.0	10234.3	10380.8	10382.2				
		VoA Delano feeder, CA	14398.0							
		VoA Greenville feeder, NC	5745.0	6873.0	7480.5	7651.0	7768.5	10235.0	10454.0	12210.0
		VoA Greenville, NC*	14526.0	15715.0	19261.0	19480.0				
(USA)		many MARS stations	11150.0	15715.8	15717.1	18215.0	18602.9			
		many USAF stations	14483.5							
	N..	many USCG stations	3060.0	6715.0	6761.0	11176.0	11243.0	13215.0		
		many USN MARS stations	4428.7	5696.0	6506.4	8765.4	13113.2			
VEN		Maracaibo	13974.0	14477.0	20997.0					
VTN	CLP ..		14450.0							
		Cuban E Hanoi*	18470.0							
		MFA Hanoi*	18237.2							
		PTT Hanoi*	9260.0							
	'HVQ 20'	VNA Hanoi*	8136.5							
	'VNA ..'	VNA Hanoi*	16/13462.0	30/16383.0	86/11420.0					
YEM	'YJN'	San'a Air*	9043.7							
YMS		GDR E Aden*	15920.0							
YUG		Czech E Belgrade*	8125.0							
		GDR E Belgrade*	11002.0							
	YU.	many R stations	2191.0	2615.0	2670.0	2685.0	2771.0			
	'DFZG'	MFA Belgrade*	5312.0	6794.0	10804.0	11149.0	11274.0	12228.0		
ZAI		AZAP Kinshasa*	10640.0							
	HBD ..	Swiss E Kinshasa*	16107.5							
ZWE		GDR E Harare*	17393.0							
	SAM ..	Swedish E Harare*	18945.0	18947.0*						

VIII. RTTY press services in alphabetical order

Alphanumerical index of news agencies and other stations transmitting regular press bulletins.

Listed are

- country;
- name of the station;
- frequency;
- call sign;
- time (-s) and language (-s).

Not listed are

- irregular news broadcasts by diplomatic or military stations;
- harmonic or spurious emissions;
- frequencies which have been monitored with "ry" transmissions only.

ALBANIA

ATA Tirana

7850.0 ZAA 1100-1245+1700-1845+1900+2100 F
 9133.0 ZAA 6 0700+0900-1045 E /1845 E
 9430.0 ZAT 0900-1045 F, 1100+1500+1700-
 10435.0 ZAY 1400+1500 F

ALGERIA

APS El Djaza'ir

14932.0 0700+0800-1000+1400-1600+1700+
 1800 A
 15480.0 1000+1100 E, 1200 F, 1300+1400+
 1500 E, 1600 F, 1700 S, 1900 E

ANGOLA

KUP Jamba

18330.8 1200 F

ARGENTINA

DyN Buenos Aires

2749.5 0000+0200+2300 S
 4549.5 LRO 9 0000+0200+2200+2300 S /2300 S
 7954.5 LRN 85 0000+0100+0200+0300+1900+2200+
 11013.0 0000+0100+0200+0300+1500+2000+
 2100+2200+2300 S

NA Buenos Aires

3840.0 LRO 23 0000+0100+2200+2300 S
 7456.0 LRO 42 0200+0300+0500 S /2200+2300 S
 10805.0 0000+0100+0200+1000+2000+2100+

TELAM Buenos Aires

3266.7 LRB 83 0400+2300 S
 4004.5 LRO 2 0000+0300+0400+0900+2200+2300 S
 7428.5 0000+0100+0200+0500+2000+2100+
 2200+2300 S
 10893.5 LRB 39 1900+2000+2100+2200+2300 S
 13515.0 LRN 22 2100+2200 S /2200+2300 S
 13540.0 LRO 81 0000+1500+1600+1900+2000+2100+

BAHRAIN

GNA Manama

4042.0 A9M 9 1500-2100 A
 9197.5 A9M 41 0500-1500 A
 14764.0 A9M 70 0500-2100 A

BANGLA DESH

BSS Dhaka

19100.0 S2M 33 0600-0700+0900-1000+1100-1200 E

BULGARIA

BTA Sofia

6960.0	LZN 3	1730 E
7460.0	LZB	1730 E
11110.0	LZG 2	1200+1300 F
11502.0	LZH 4	0800+1330+1830 E
13400.0	LZG 3	1200 E

CHINA

XINHUA Beijing

6915.0	BAP 46	0900+1100+1400+1630+1830 E
7520.0	BZP 57	0000+0100+0200+1400+1800+1900+ 2030+2300 E /2300 E
7650.0	BZR 67	0100+1400+1700+1800+1900+2030+
7887.0	BZS 27	0000+0100+1800+1900 E
7923.0	BPJ 34	1500 F, 1830 E
9417.0	BZP 59	0100+0200+1400+1500+1600+1800 E
9470.0	BPA 64	1600 E
9491.0	BZR 69	1400+1500+1600 E
9868.0	BZS 29	1400 E
11133.0	BZG 41	1400+1500+1600+1700+1800 F
11606.0	BZS 21	1300+1400+1500+1600 E
11680.0	BZP 51	1400 E
12265.0	BZR 62	0200+1400+1500+1600 E
14367.0	BZP 54	0600+0700+0800+0900+1000+1100+ 1200+1300+1500+1600+1900 E
14376.0	BZT 34	0830-0945 R
14760.0	BAT 93	1400 E, 1600 F, 1930 E
14938.0	BPJ 22	1500 E, 1600 F
15544.0	BZS 25	0900+1200 E
16136.0	BZR 66	1000+1100+1200+1300 E
17443.0	BZG 48	0700+0800+0900+1000+1100 F
17470.0	BZS 28	0800+0900+1000+1100 E /1400 E
18872.0	BZR 68	0600+0700+0800+0900+1200+1300+
19077.0	BZM 40	0500+0700 A

CUBA

PL Habana

8140.0	CLN 219	0900 E /1800+1900+2000+2100 E
14901.0	CLN 451	0600+1300+1400+1500+1600+1700+
16348.0	CLN 530	1200+1300+1400+1500+1600+1700+ 1800+1900+2000+2200 E

CZECHOSLOVAKIA

CETKA Prague

7577.5	OLZ 2	1800 E
8142.5	OLX 4	1900+2000 F
9353.0	OLX 5	1600+1700+1800+1900+2100 E
13597.5	OLI 2	0600+1000+1300+1500 E, 1600 S, 1630+1745 E /1600 F
13647.5	OLI 5	0000+0800+1200 F, 1300 E, 1500+
15897.5	OLS 4	1500 E
17525.0	OLV 3	0915 E /1700 S
18985.0	OLD 2	0800+0900+1100+1200+1600 E,

DENMARK

Lyngby R

4355.5	OXZ	1630 Danish
17206.0	OXZ	1600 Danish

EGYPT

MENA Cairo

3356.0	SUA 99	1700+2100 E /2100+2200 A
3571.0	SUA 40	1500+1600+1700+1800+1900+2000+
5220.0	SUA 94	0600+1400+1600+1700+1800+1900+ 2000+2100 A
5275.0	SUA 211	1700 E/F, 1900+2000 F, 2100 E, 2200 E/F /E
7610.0	SUA 231	0615+1600 E, 1800+1900 A, 2300
7756.0	SUA 34	1500+1900 A
10150.0	SUA 246	0600+0700+0800+0900+1100+1300+ 1400+1500+1600+1700+1800+1900+ 2000+2100+2300 A
10610.0	SUA 251	1100 F
13653.0	SUA 50	1200+1500 F, 2000 E
15845.0	SUA 289	0600+0700+0800+0900+1000+1100+ 1200+1300+1400+1500+1600 A

FRANCE

AFP Paris

5839.6	FTF 84B.H1	0100+1700+1900+2000+2100+2300 A /2100+2200+2300 F
5841.0	FTF 84B.H3	0000+0400+1700+1900+2000+
8022.3	FTI 2H1	0000+0100+0300+0500+0600+ 1600+1700+2000+2100+2300 A
8023.7	FTI 2H3	0300+0400+0500+1600+1700+ 1800+1900+2000+2100+2300 F

GREECE

Athens R

17208.5 SVT 6 1300 Greek

VoA Kavalla

6943.0 0000+0100+0200+0300+0600+2300 E

VoA Rhodes

10879.8 0800 E, 1000+1100 F

10881.2 0800 E, 1000+1100 F

HONG KONG

AFP Victoria Island

7542.5 ZEN 33 1400 F

HUNGARY

MTI Budapest

9114.0 HGG 31 1000+1100+1700 E

10911.0 HGH 29 1615 F

15670.0 HGM 36 1615 E

INDIA

MEA Delhi

7775.0 ATU 58 1500+1600 E

14785.0 ATP 65 0830+0900+1000+1200+1300+1400 E

18255.0 ATB 68 0830+0900+1200+1300+1400 E

PTI Delhi

7945.0 ATK 58 1500 E

IRAN

IRNA Tehran

7800.0 EPX 9 1500-1730 E

7960.0 1500-1730+1900-2030 E, 2030-2200 A /2030-2200 A
 8050.0 1730-1900 A, 1900-2030 E,
 18560.0 EPJ 1000-1100 E, 1100-1230 A
 19200.0 1000-1100 E
 19980.0 EPJ 2 1000-1100 E, 1100-1200 A

IRAQ

INA Baghdad

5867.0 YIL 68 1300+1600+1700+2100 A
 7565.0 YIX 75 1500+1600+1800+1900 A
 9867.0 YIZ 74 0600+0700+0800+0900+1000+1100+1200+1300+1400+1500+1600-2000 A /1700 E
 10162.5 YIL 71 1300-2000 A /1700 E
 13524.0 YIO 72 1100+1200+1300+1400+1500+1600+
 14373.0 YIL 73 1100-1700 E, 2000 A
 14699.0 YIX 70 0600-1300 A

ITALY

ANSA Rome

4804.0 ISZ 48 0800 E, 0900 F, 1000 E, 1600 F
 5035.0 IRC 20 1500 E, 1600 F /1600 F
 8030.0 IRF 50 0800+1000+1100+1200 E, 1400+
 8037.0 IRF 40 0800 E
 8047.5 IRF 20 1700+1800 E
 8062.0 IRF 80 0900 F, 1000+1100+1500 E, 1600+1800 F, 1900 E, 2000 F /2000 F
 9052.5 ISY 90 1400 F, 1500 E, 1800 F, 1900 E, 1700 E
 9362.0 IRG 53 1700 E
 9402.5 ISY 94 1700 E, 1800 F /2000 F
 10815.0 IRH 58 1400+1600+1700+1800 F, 1900 E,
 12108.0 IRJ 21 0800 E, 0900 F, 1100+1200 E, 1400 F, 1500 E
 12128.0 IRJ 31 1400+1600 F
 13487.5 ISX 35 1200 E
 14630.5 ISX 46 0800 E, 0900 F, 1100 E, 1400 F, 1500 E, 1600+1800 F, 1900 E, 2000 F
 15693.5 ISX 56 0800 E, 0900 F, 1100+1200 E, 1400 F, 1500 E, 1600 F
 17473.0 IRP 34 0645 E /1600 F
 20085.0 ISX 20 0800 E, 0900+1400 F, 1500 E,
 20430.0 IRS 24 0800 E, 0900 F, 1000+1100+1200+1500 E, 1600 F

IINA Rome

9443.0 ISY 95 1600-1900 A
 11027.0 IRI 20 1400-1600 A
 14884.0 IRL 58 1300-1500 E
 19178.0 IRR 31 0800-1300 E
 20187.0 IRS 41 1200-1400 A

JAPAN

JPS Tokyo

10710.0 JAG 30 0800+0900 E

KYODO Tokyo

8175.0 JAE 58 0000-0100+0240-0410+1220-1250 E
 10795.0 JAG 50 0720-0820 E /1000-1100 E
 12275.0 JAL 82 0430-0600+0610-0640+0720-0820+
 14547.5 JAL 44 0720-0820+1000-1100 E

PL Tokyo

10710.0 JAG 30 1200+1730 S

JORDAN

PETRA Amman

5055.0 JYF 6 1400+1500 A, 1700-1900 E
 6830.0 1400+1500 A, 1700-1900 E
 9463.0 JYF 4 0800-0900 E, 0900+1000+1400+
 1500 A, 1700 E
 11580.3 1100 A
 13485.0 0800-0900 E, 1000+1400+1500 A
 15810.0 0800-0900 A

KAMPUCHEA

SPK Phnom Penh

9255.0 "SPK 72" 1900 F

KOREA (DEMOCRATIC PEOPLE'S REPUBLIC OF)

KCNA Pyongyang

8020.0 HMF 85 1800-2100 E
 8152.0 HMF 86 1000 E, 1145+1200 F
 9395.0 HMF 84 1245 R, 1500+1600 E, 1800-2100+
 2130-2400 F
 10524.0 HMF 45 1145-1445 F
 10580.0 HMF 46 1000-1100+1500-1700 E
 11430.0 HMF 55 1500-1700 E, 2130-2400 F /F
 11475.0 HMF 52 0030-0100 F, 1800 E, 2330-2400
 11536.0 HMF 49 0800-1030 E, 1145-1400+1800-
 2100 F
 12175.0 HMF 42 0400-0730+1830-2100+2130-2300 E

12216.0 HMF 28 0400-0600 E /2330-2400 F
 13580.0 HMF 36 0030-0100 F, 0400-0730 E,
 13780.0 HMF 35 0400-0530 E, 0600-0830+1230-
 1430 R
 14452.0 HMF 57 0800-1030 E
 14568.0 HMF 32 0400-0600+1000-1100 E /1430 R
 15633.0 HMF 26 0400-0530 E, 0600-0830+1230-

KUWAIT

KUNA Safat

3803.0 9KT 22 1000-1900 E
 3807.0 9KT 22 0700-2000 A
 5023.0 9KT 24 1000-1900 E
 5027.0 9KT 24 0700-2000 A
 6858.0 9KT 25 1000-1900 E
 6862.0 9KT 25 0700-2000 A
 7599.0 9KT 262 1000-1900 E
 7603.0 9KT 262 0700-2000 A
 7649.0 9KT 263 1000-1900 E
 7653.0 9KT 263 0700-2000 A
 7697.0 9KT 264 1000-1900 E
 7701.0 9KT 264 0700-2000 A
 7911.5 9KT 26 1000-1900 E
 7915.5 9KT 26 0700-2000 A
 9227.0 9KT 27 1000-1900 E
 9231.0 9KT 27 0700-2000 A
 10153.0 9KT 281 1000-1900 E
 10157.0 9KT 281 0700-2000 A
 11493.0 9KT 282 1000-1900 E
 11497.0 9KT 282 0700-2000 A
 11574.0 9KT 29 1000-1900 E
 11578.0 9KT 29 0700-2000 A
 12075.0 9KT 292 1000-1900 E
 12079.0 9KT 292 0700-2000 A
 14418.0 9KT 321 1000-1900 E
 14422.0 9KT 321 0700-2000 A
 14831.0 9KT 33 1000-1900 E
 14835.0 9KT 33 0700-2000 A
 15643.0 9KT 331 1000-1900 E
 15647.0 9KT 331 0700-2000 A
 17623.0 9KT 344 1000-1900 E
 17627.0 9KT 344 0700-2000 A
 18278.0 9KT 351 1000-1900 E
 18282.0 9KT 351 0700-2000 A
 18293.0 9KT 352 1000-1900 E
 18297.0 9KT 352 0700-2000 A
 18307.0 9KT 349 1000-1900 E
 18311.0 9KT 349 0700-2000 A
 18640.5 9KT 356 1000-1900 E
 18644.5 9KT 356 0700-2000 A

LAOS

KPL Vientiane

14640.0 0900 E

LIBERIA

VoA Monrovia

7442.5 5LA .. 0000 E, 0100+0200+0300+0400 F,
2300 E /2300 E
7478.0 5LA .. 0000 E, 0100+0200+0300+0400 F,
10880.0 5LA 10 0000+0100+0200+2300 E
13995.0 5LA .. 0300+2300 E

LIBYA

JANA Tripoli

10518.0 1400+1500+1700+1800 A /E
12186.0 1400 E, 1500 F, 1700+1800+1900
14573.0 0700+0800+1000+1100+1600+1700 A
15462.0 0800 E, 1700 F

MONGOLIA

MONTSAME Ulan Bator

10335.0 JTD 29 1600+1700 E

MOROCCO

MAP Rabat

7842.4 CNM 20.1X 1000-1130 F, 1200-1400 E,
1530-1700 F /1530-1700 F
10213.0 CNM 29 1000-1130 F, 1200-1400 E,
10475.2 CNM 34X9 0900-1030+1530-1700 A
10595.2 CNM 36X9 1000-1130+1530-1700 F
10634.1 CNM 37 1000-1130+1530-1700 F
14574.4 CNM 59X9 0900-1030 A, 1200-1400 E,
1530-1700 A /1530-1700 F
14760.0 CNM 61 1000-1130 F, 1200-1400 E,
15999.9 CNM 69.1X 1000-1130 F, 1200-1400 E,
1530-1700 F /1530-1700 F
16134.1 CNM 71.9X 1000-1130 F, 1200-1400 E,
18220.9 CNM 76X9 1000-1130 F, 1200-1400 E,
1530-1700 F

18496.1 CNM 80X11 0900-1030 A, 1200-1400 E,
1530-1700 A

VoA Tanger

5460.0 0000+0100 E, 0200 A, 0400+2100+
2200+2300 E
9855.0 0000+0100+2300 E
10972.0 0000+0100+0200+0300+0400+2300 E
12223.5 0000+0100 E, 0200+0300 A, 0400+
2300 E /2200+2300 E
13770.0 0800+0900 E, 1000+1100 F, 1200+
19914.9 0900+1000+1100 E

NORWAY

Rogaland R

4351.0 LGW 2 1900 N
4352.5 LGW 3 0700+1500+1700+1900 N
6498.0 LGU 2 0700 N
8707.0 LGB 2 0700+1700+1900 N
12682.5 LFC 0700+1500+1900 N
13081.0 LGJ 3 0700+1700+1900 N
13097.0 LGJ 4 0700+1700+1900 N
17199.5 LGX 2 0700+1700+1900 N
17223.0 LGX 3 0700+1700+1900 N

PHILIPPINES

VoA La Union, Poro Island

11477.0 2300 E
14526.5 0000+0100+0600 E /1100 F
19792.5 0400+0600+0800+0900 E, 1000+

POLAND

PAP Warsaw

5800.0 SOF 280 1700 E
6805.0 SOG 280 2100 E
6848.0 SOG 284 0000 E, 1900 F
7845.0 SOH 284 1700 E
7892.5 SOH 289B 1200+1400+1800 Polish
9298.0 SOJ 229 0600 E
9391.0 SOJ 239 2000 E
11423.5 SOL 242B 1200+1300+1400+1800 Polish
11494.0 SOL 249 1100 E, 1200 Polish, 1500 R
11497.0 SOL 349 0000+1400 E
13496.5 SON 249B 1800 Polish
13563.6 SON 263 0600 E

13602.4	SON 260B	1200+1400+1800 Polish
13793.0	SON 279	1100 E
14362.0	S00 236	1200 Polish
16210.0	SOQ 221	1500 E
17492.0	SOR. 249	0845 R
18648.5	SOT 265B	1800 Polish
18650.0	SOT 265	1700 F
18651.5	SOT 265A	1800 Polish
18993.5	SOT 299B	1200+1400 Polish
20933.5	SOV 293B	1200 Polish
20936.5	SOV 293A	1200 Polish
23405.0	SOY 240B	1400 Polish

ROMANIA

AGERPRES Bucharest

6972.0	YOG 59	1600 F, 1700 E, 1800 F
9797.0	YOJ 27	0900 E, 1000 F
12110.0	YOM 21	1100 E
21807.5	YOV 28	0700 E

SENEGAL

PANA Dakar

16117.0	6VK 317	0900-1200+1300-1800 E/F
20327.5	6VK 221	1500 E

SINGAPORE

ANSA Singapore

10408.0	9VF 63	1700 E
16265.0	9VF 206	1700 E
20910.0	9VF 232	0645 E

JIJI Singapore

16150.0	9VF 205	1330 E
17430.0	9VF 209	1330 E

KYODO Singapore

20960.0	9VF 233	0430-0640+1000-1100 E
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SUDAN

SUNA Khartoum

15731.0	STS 20	1000+1415 A, 1600 E, 1700 A
18788.0	STS 50	1000+1700 E

SWEDEN

Goeteborg R

4268.6	SAB 23	1700 Swedish
8556.0	SAB 44	1700 Swedish

SWITZERLAND

Berne R

8717.5	HEC 38	1815 G
13080.0	HEC 13	1930 G

SYRIA

SANA Damascus

2995.0	YKP 22	1500+1600+1700 A /1500 A
11080.0	YKP 28	0700+0800+0900+1200+1300+1400+
15020.0	YKP 33	1600 F

TAIWAN

CNA Taipei

7695.0	3MA 26	0230-0330+0930-1030+1330-1500 E
10960.0	3MA 28	0230-0330+0930-1030+1330-1500 E
13563.0	3MA 22	0230-0330+0930-1030+1330-1500 E
16224.0	3MA 35	0230-0330+0930-1030+1330-1500 E

TUNISIA

TAP Tunis

13610.0	3VF 40	1100+1300+1400 A, 1500 F, 1600 E
17390.0	3VA 74	1400+1500 F

TURKEY

AA Ankara

18040.0 TCY 4 0800+0900+1000 E, 1100+1200+
1345-1600 Turkish

UNION OF SOVIET SOCIALIST REPUBLICS

ANGOP Moscow, RU

7525.0 RBX 56 1900 P, 2000 F
9140.0 RCV 26 1900 P

APN Moscow, RU

10465.0 RKA 74 0700+0800+1000 R
10595.0 RKD 48 0700+0800+1100 P /1300+1400 E
10740.0 RKA 72 0700+0800+0900+1000 R, 1200+
10865.0 RZA 24 0700+0800+1000+1100 R /1000 E
11575.0 RVL 29 0500 E, 0600+0700 R, 0800+0900+
11615.0 RGD 27 0800+1000 R
12222.5 0700+0800 F, 0900 A
12285.0 RKU 74 0700+0800+0900+1000+1100 R
13430.0 RRC 61 0700+0800+0900 G
13937.5 0400+0500+0600+0800 R
14545.0 ROW 24 0800+0900 R
14580.0 RCC 74 0600 E, 0700+0800 A, 0900 E
14690.0 RIC 73 0600 E, 0900+1200+1400 A
14950.0 RWM 79 0400+0600 R
15630.0 RWM 72 0700+0800 R
15640.0 RKF 67 0600 A
15660.0 RHT 23 0800 E, 0900 R
15690.0 RWM 75 0700 R
15693.0 RWU 55 0700+0800+0900 F
15720.0 RWM 74 0700 R, 0800 E, 0900 R
15910.0 RGG 43 0700+0800 E, 0900 R /F, 1100 A
16020.0 RHA 42 0600+0700 F, 0800+0900 A, 1000
16040.0 RTT 40 0700+0800 A, 0900+1000 F
16060.0 RFM 27 0600+0700 E, 0800 R, 0900+1000
E, 1100 R
16075.0 0800+1000 E
16085.0 RND 71 0700+0800 E
16135.0 RBI 72 0800 P, 0900 R /1100+1300 E
16145.0 RWM 77 0500+0600+0700+0800+0900+1000+
16150.0 RCE 59 0900+1000 E
16155.0 0600 A, 0700 E, 0800 A, 0900 E
16175.0 RGW 27 0800+0900+1000+1100 F
16220.0 RBI 74 0600+0700+0800+0900 A
16250.0 RME 22 0700+0800+0900 E
16300.0 RMD 59 0900+1000+1100+1200 P
17520.0 REM 55 0600 R, 0700+0800+0900 E
17550.0 1100 A
18245.5 0800+0900 F, 1000+1100 E
18310.0 RDT 57 1000+1100+1200+1300+1400 P
18440.0 RIF 32 0700+0800 F /1200+1300+1400 P
18455.0 RWN 71 0600+0700+0800 F, 1000+1100+
19127.0 RMC 21 0600+0700+0800+0900 F

Moscow R, RU

6499.0 UAT 2330 G
12739.0 UAT 0800 R
17228.0 UAT 1315 G

PL Moscow, RU

18600.0 RWN 72 0700+0800 E, 0900+1000+1100+
1200+1300+1400 P
19505.0 RCD 36 0700+0800 E, 0900+1000 P, 1100
F, 1200+1300+1400 P

TASS Moscow, RU

5470.0 RKC 29 0430+0500 E
5830.0 RWD 52 1600+1800+2000 E
6870.0 RTV 55 0430+0500+1800+1900+2000 E
7560.0 RPT 30 1100+1500+1700+1800+1900+2000+
2100 F
7615.0 RTT 44 1500+1600+1800+1900+2100 E
7695.0 RMD 51 1300+1400 F, 1600 A, 1700 F,
1800+1900 A
7787.0 RCT 52 1700-2000 F
7875.0 RNN 52 1500 F /2000+2100 A
7970.0 RAW 73 1400+1500+1600+1700+1800+1900+
8030.0 RRQ 27 2100 E /2000 E, 2100 F
8060.0 RAW 71 0430+0500+1300+1600+1800+1900+
8140.0 RNN 51 0430+0500 E, 0600 P, 0800+1500+
1600+1700+1800+1900+2000+2100 E
8780.0 0800 E
9110.0 RDZ 77 1700 F, 1800+2000+2200 E
9145.0 RDZ 76 1400+1500+1600+2000 E
9420.0 RMD 57 1400+1600+1800+2000 E
9850.0 RED 54 1700-2000 F
10105.0 RKA 79 0430+0500 E, 1100+1200 A
10120.0 RGI 24 0700-1645 F
10165.0 RPT 31 1400 E /1800+1900+2000 E
10240.0 RGE 34 0600+0700 P, 1400+1500+1600+
10258.0 RDZ 71 0430+0500+1300+1400+1500+1600+
1700+2000 E /2000+2100 E
10270.0 RKA 25 1300+1400+1600+1700+1800+1900+
10675.0 REM 51 0700-1645+1800 F
10790.0 RKA 71 0700-1645 F
10880.0 RKE 22 1600 F, 1700 E
10985.0 RCB 53 0430+0500 E, 1500 P, 1700+1800+
1900+2000 A, 2100 F
11470.0 RNK 33 1700 E
11495.0 RCT 55 1600 F /1800 A
12085.0 RCB 55 0430+0500+0700+0900+1300 E,
12285.0 RKU 74 0430+0500 E, 1700 P
12315.0 RVW 57 0430+0500+0600+0700+0800+0900+
1100+1200+1300+1400+1500+1600+
1700 E
12325.0 RDD 72 0430+0500 E, 0600+1600 F
13410.0 RIF 38 1215 R
13490.0 RCG 77 1400+1500 E
13920.0 RNK 39 0500+0800+1000+1100+1300+1900 E
14490.0 RNK 36 0430+0500+0600+0800+1000+1100+
1200+1300+1400+1500 E

14510.0 RIC 75 0000+0500+0600+0700+0800+0900+
1100+1200+1300+1500+1600+1700 E
14625.0 RCG 79 0600+0700+0900+1000+1200+1300+
1500+1600 P /1300+2000 E
14700.0 RGD-22 0700+0800+0900+1000+1100+1200+
14720.0 RKB 58 0600 F, 0800 A, 1100 F, 1200 A,
1300 F /1300+1400 A
14880.0 RIC 72 0430+0500 E, 0600+0800+1200+
14940.0 RIC 71 0700-1645 F
15575.0 REN 30 0800+0900+1200+1300 E
15580.0 REM 58 0600+0800+0900 E, 1200+1300 F,
1400+1600 E
15605.0 RKU 73 0800+1600 E
15710.0 RED 52 0700-1645 F
15780.0 RWM 71 0600+0700+0800+0900+1000+1100+
1200+1300+1500+1600 E /1800 A
15865.0 RBK 79 0800+1200 A, 1300 F, 1400+1500+
15890.0 RBI 79 0700+0800+0900+1000+1300+1500+
1600+1700+1800 P
15925.0 RPT 32 0700+0900+1100+1200 F
15930.0 RBI 78 0430+0500 E, 0700-1645 F
16050.0 RCE 54 0600+0700+0800+1000+1200+1300+
1700 E /1300+1500 E
16140.0 RGW 28 0600+0700+0800+1000+1100+1200+
16190.0 RGW 26 0700-1645 F
16260.0 REM 57 0700-1645 F
17370.0 RBI 73 0600 A
17510.0 RFD 53 0700-1645 F
17570.0 RBX 42 0700-1645 F
17600.0 RIJ 71 1200 P /1200+1300 E
18385.0 RRQ 20 0500+0600+0700+0800+1000+1100+

UNITED STATES OF AMERICA

Chatham R, MA

8715.0 WCC 0243 E

Mobile R, AL

4352.0 WLO 0415 E

8712.0 WLO 0600 E

USIA New York, NY

14638.0 WFK 54 1500+1600+1700+1800+1900 E,
2000 S, 2100 E, 2200 S

18542.5 WFK 48 1600+1700 E

VoA Bethany, OH

10233.0 0100+0200 E, 0300 A, 2200+2300
E /E

10234.3 0100+0200 E, 0300 A, 2200+2300

10380.8 0800+1000+1100 E

10382.2 0800+1000+1100 E

VoA Greenville, NC

11150.0 1600+1700+1800+2100 E

18215.0 1600+1700+2200 E

VIET NAM

VNA Hanoi

8136.5 'HVQ 20' 0000 V

9330.0 XVN 26 1500 E, 1600 F

10600.0 XVN 37 1400+1500+1600+1700 E, 1800 F

11420.0 'VNA 86' 1100 E, 1200+1300 F, 1400+1500+
1600+1700 E

13462.0 'VNA 16' 1400+1500 E, 1900 F

15744.0 XVN 36 0700+0800 E

16383.0 'VNA 30' 1200+1300 F

18264.0 XVN 48 0500 F, 0700 E

YEMEN (PEOPLE'S DEMOCRATIC REPUBLIC OF)

ANA Aden

9072.0 70B 40 1630-1730 A

9965.0 70B 45 1630-1730 A, 1800 E

YUGOSLAVIA

TANJUG Belgrade

5112.0 40C 3 0200+0700+0900+1100+1200+1300+
1400+1500+1600+1700+1800 SC5240.0 40C 2 0000+0100+0200+1700+1800+2000+
2100+2300 E

5450.0 40D 2000 SC

7592.0 YZD 6 1900+2200 F

7658.0 YZD 0000+0200+0400+0500+0800+0900+
1000+1100+1200+1300+1500+1600+
1700+1800+1915+2200 E

7800.0 YZG 2000 E

7806.0 YZD 7 1700+1800+1915 E

7996.0 YZD 9 1700+1800+1915+2000+2100 E

10278.8 YZA 9 1700 F /1500+1600 E

12212.3 YZD 7 0800+1000+1100+1200+1300+1400+
13440.0 YZJ 5 1000+1100+1200+1300+1400+1500+
1600 E

14632.0 YZC 2 1100+1200+1300+1400+1500+1600 E

15705.0 YZJ 6 0900+1100+1200+1300+1500+1600 F

16065.0 YZJ 7 1100 E

16343.0 YZI 4 0400+0700+0800+0900+1000+1300 E

19865.5 YZJ 4 1400+1500 S

20204.0 YZJ 1200 F, 1300 E

(continued on page 332)

IX. RTTY press services in chronological order

Chronological index of news agencies and other stations transmitting regular press bulletins.

Listed are

- time;
- name of the station, and ITU country/geographical symbol;
- language (-s);
- frequency (-ies).

Not listed are

- irregular news broadcasts by diplomatic or military stations;
- harmonic or spurious emissions;
- frequencies which have been monitored with "ry" transmissions only.

Schedules may vary with seasons, weekends - which are on Thursday and Friday in Islamic countries -, propagation conditions, etc.

Press bulletins the exact schedules of which are known are listed under the time of the start of the bulletin and, if the bulletin takes more than one hour, under the full hour(s) following that time.

Other press bulletins are listed under the full hour preceding the monitored reception time and, if the bulletin takes more than one hour, under the full hour(s) following that time.

0000	ADN Berlin, DDR	E	13735.0				
	AFP Paris, F	A	8022.3				
		F	5841.0				
	CETEK Prague, TCH	F	13647.5				
	DIPLO Paris, F	F	13998.0				
	DyN Buenos Aires, ARG	S	2749.5	4549.5	7954.5	11013.0	
	KYODO Tokyo, J	E	8175.0				
	NA Buenos Aires, ARG	S	3840.0	10805.0			
	PAP Warsaw, POL	E	6848.0	11497.0			
	TANJUG Belgrade, YUG	E	5240.0	7658.0			
	TASS Moscow, RU, URS	E	14510.0				
	TELAM Buenos Aires, ARG	S	4004.5	7428.5	13540.0		
	VNA Hanoi, VTN	V	8136.5				
	VoA Kavalla, GRC	E	6943.0				
	VoA La Union, Poro I., PHL	E	14526.5				
	VoA Monrovia, LBR	E	7442.5	7478.0	10880.0		
	VoA Tanger, MRC	E	5460.0	9855.0	10972.0	12223.5	
	XINHUA Beijing, CHN	E	7520.0	7887.0			
0030	KCNA Pyongyang, KRE	F	11475.0	13580.0			
0100	ADN Berlin, DDR	E	10543.0				
	AFP Paris, F	A	5839.6	8022.3			
	DIPLO Paris, F	F	16106.0	20078.0			
	DyN Buenos Aires, ARG	S	7954.5	11013.0			
	NA Buenos Aires, ARG	S	3840.0	10805.0			
	TANJUG Belgrade, YUG	E	5240.0				
	TELAM Buenos Aires, ARG	S	7428.5				
	VoA Bethany, OH, USA	E	10233.0	10234.3			
	VoA Kavalla, GRC	E	6943.0				
	VoA La Union, Poro I., PHL	E	14526.5				
	VoA Monrovia, LBR	E	10880.0				
		F	7442.5	7478.0			
	VoA Tanger, MRC	E	5460.0	9855.0	10972.0	12223.5	
	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	9417.0	
0200	DyN Buenos Aires, ARG	S	2749.5	4549.5	7954.5	11013.0	
	NA Buenos Aires, ARG	S	7456.0	10805.0			
	Rügen R, DDR	G	8608.5				
	TANJUG Belgrade, YUG	E	5240.0	7658.0			
		SC	5112.0				

CHRONOLOGICAL PRESS 2

0200	TELAM Buenos Aires, ARG	S	7428.5						
	VoA Bethany, OH, USA	E	10233.0	10234.3					
	VoA Kavalla, GRC	E	6943.0						
	VoA Monrovia, LBR	E	10880.0						
		F	7442.5	7478.0					
	VoA Tanger, MRC	A	5460.0	12223.5					
		E	10972.0						
	XINHUA Beijing, CHN	E	7520.0	9417.0	12265.0				
0230	CNA Taipei, TAI	E	7695.0	10960.0	13563.0	16224.0			
0240	KYODO Tokyo, J	E	8175.0						
0243	Chatham R, MA, USA	E	8715.0						
0300	AFP Paris, F	A	8022.3						
		F	8023.7						
	CNA Taipei, TAI	E	7695.0	10960.0	13563.0	16224.0			
	DyN Buenos Aires, ARG	S	7954.5	11013.0					
	KYODO Tokyo, J	E	8175.0						
	NA Buenos Aires, ARG	S	7456.0						
	TELAM Buenos Aires, ARG	S	4004.5						
	VoA Bethany, OH, USA	A	10233.0	10234.3					
	VoA Kavalla, GRC	E	6943.0						
	VoA Monrovia, LBR	E	13995.0						
		F	7442.5	7478.0					
	VoA Tanger, MRC	A	12223.5						
		E	10972.0						
0330	AFP Paris, F	E	9396.4						
0400	AFP Paris, F	E	9396.4						
		F	5841.0	8023.7					
	APN Moscow, RU, URS	R	13937.5	14950.0					
	DIPLO Paris, F	F	16106.0						
	KCNA Pyongyang, KRE	E	12175.0	12216.0	13580.0	13780.0	14568.0		
			15633.0						
	KYODO Tokyo, J	E	8175.0						
	TANJUG Belgrade, YUG	E	7658.0	16343.0					
	TELAM Buenos Aires, ARG	S	3266.7	4004.5					
	VoA La Union, Poro I., PHL	E	19792.5						
	VoA Monrovia, LBR	F	7442.5	7478.0					
	VoA Tanger, MRC	E	5460.0	10972.0	12223.5				
0415	Mobile R, AL, USA	E	4352.0						
0430	KYODO Singapore, SNG	E	20960.0						
	KYODO Tokyo, J	E	12275.0						
	TASS Moscow, RU, URS	E	5470.0	6870.0	8060.0	8140.0	10105.0		
			10258.0	10985.0	12085.0	12285.0	12315.0		
			12325.0	14490.0	14880.0	15930.0			
0500	ADN Berlin, DDR	E	13895.0						
	AFP Paris, F	A	8022.3						
		F	8023.7						
	APN Moscow, RU, URS	E	11575.0	16145.0					
		R	13937.5						
	GNA Manama, BHR	A	9197.5	14764.0					
	KCNA Pyongyang, KRE	E	12175.0	12216.0	13580.0	13780.0	14568.0		
			15633.0						
	KYODO Singapore, SNG	E	20960.0						
	KYODO Tokyo, J	E	12275.0						
	NA Buenos Aires, ARG	S	7456.0						
	TANJUG Belgrade, YUG	E	7658.0						
	TASS Moscow, RU, URS	E	5470.0	6870.0	8060.0	8140.0	10105.0		
			10258.0	10985.0	12085.0	12285.0	12315.0		
			12325.0	13920.0	14490.0	14510.0	14880.0		
			15930.0	18385.0					
	TELAM Buenos Aires, ARG	S	7428.5						
	VNA Hanoi, VTN	F	18264.0						
	XINHUA Beijing, CHN	A	19077.0						

CHRONOLOGICAL PRESS 3

0600	ADN Berlin, DDR	E	13895.0	14800.0	16325.0		
		F	16403.0				
	AFP Paris, F	A	8022.3	14794.3			
		F	14795.7				
	APN Moscow, RU, URS	A	15640.0	16155.0	16220.0		
		E	14580.0	14690.0	16060.0	16145.0	
		F	16020.0	18455.0	19127.0		
		R	11575.0	13937.5	14950.0	17520.0	
	BSS Dhaka, BGD	E	19100.0				
		E	13597.5				
	CETEK Prague, TCH	A	9197.5	14764.0			
		A	9867.0	14699.0			
	INA Baghdad, IRQ	E	12175.0	13580.0			
		R	13780.0	15633.0			
	KYODO Singapore, SNG	E	20960.0				
		A	5220.0	10150.0	15845.0		
	MENA Cairo, EGY	E	8712.0				
		E	9298.0	13563.6			
	PAP Warsaw, POL	E	14901.0				
		A	14880.0	17370.0			
	TASS Moscow, RU, URS	E	12315.0	14490.0	14510.0	15580.0	15780.0
			16050.0	16140.0	18385.0		
		F	12325.0	14720.0			
		P	8140.0	10240.0	14625.0		
	VoA Kavalla, GRC	E	6943.0				
		E	14526.5	19792.5			
	VoA La Union, Poro I., PHL	G	55.3	129.1			
		E	14367.0	18872.0			
0610	XINHUA Beijing, CHN	E	12275.0				
0615	KYODO Tokyo, J	E	7610.0				
0645	MENA Cairo, EGY	E	17473.0				
	ANSA Rome, I	E	20910.0				
		E	20910.0				
	ANSA Singapore, SNG	E	10543.0	14800.0	16417.0		
		F	16403.0				
0700	ADN Berlin, DDR	P	13895.0				
		E	13729.7	15977.0			
	AFP Paris, F	F	13728.3	14795.7	15978.4		
		E	21807.5				
	AGERPRES Bucharest, ROU	A	14580.0	16040.0	16220.0		
		E	15910.0	16060.0	16085.0	16145.0	16155.0
	APN Moscow, RU, URS		16250.0	17520.0			
		F	12222.5	15693.0	16020.0	18440.0	18455.0
			19127.0				
		G	13430.0				
		P	10595.0				
		R	10465.0	10740.0	10865.0	11575.0	12285.0
			15630.0	15690.0	15720.0		
		A	14932.0				
	APS El Djaza'ir, ALG	E	9133.0				
		G	110.6				
	ATA Tirana, ALB	A	9197.5	14764.0			
		A	9867.0	14699.0			
	DPA Hamburg, D	A	14573.0				
		E	12175.0	13580.0			
	GNA Manama, BHR	R	13780.0	15633.0			
		A	3807.0	5027.0	6862.0	7603.0	7653.0
	INA Baghdad, IRQ		7701.0	7915.5	9231.0	10157.0	11497.0
			11578.0	12079.0	14422.0	14835.0	15647.0
			17627.0	18282.0	18297.0	18311.0	18644.5
	JANA Tripoli, LBY	A	10150.0	15845.0			
		G	123.7	15918.6			
	KCNA Pyongyang, KRE	E	18600.0	19505.0			
	KUNA Safat, KWT	A					
	MENA Cairo, EGY	A					
		G					
	PIAB Bonn, D	E					
	PL Moscow, RU, URS	E					

CHRONOLOGICAL PRESS 4

0700	Rogaland R, NOR	N	4352.5	6498.0	8707.0	12682.5	13081.0
			13097.0	17199.5	17223.0		
	SANA Damascus, SYR	A	11080.0				
	TANJUG Belgrade, YUG	E	16343.0				
		SC	5112.0				
	TASS Moscow, RU, URS	E	12085.0	12315.0	14510.0	14700.0	15780.0
			16050.0	16140.0	18385.0		
		F	10120.0	10675.0	10790.0	14940.0	15710.0
			15925.0	15930.0	16190.0	16260.0	17510.0
			17570.0				
		P	10240.0	14625.0	15890.0		
	VNA Hanoi, VTN	E	15744.0	18264.0			
	VWD Frankfurt, D	G	55.3	129.1			
	XINHUA Beijing, CHN	A	19077.0				
		E	14367.0	18872.0			
		F	17443.0				
0720	KYODO Tokyo, J	E	10795.0	12275.0	14547.5		
0730	AZAP Kinshasa, ZAI	F	10640.0				
0800	AA Ankara, TUR	E	18040.0				
	ADN Berlin, DDR	A	13895.0	16325.0			
		E	13735.0	14825.0	16417.0		
	AFP Paris, F	A	14794.3				
		E	13729.7				
		F	13728.3	14795.7			
	ANSA Rome, I	E	4804.0	8030.0	8037.0	12108.0	14630.5
			15693.5	20085.0	20430.0		
	APN Moscow, RU, URS	A	14580.0	16020.0	16040.0	16155.0	16220.0
		E	11575.0	15660.0	15720.0	15910.0	16075.0
			16085.0	16145.0	16250.0	17520.0	
		F	12222.5	15693.0	16175.0	18245.5	18440.0
			18455.0	19127.0			
		G	13430.0				
		P	10595.0	16135.0			
		R	10465.0	10740.0	10865.0	11615.0	12285.0
			13937.5	14545.0	15630.0	16060.0	
	APS El Djaza'ir, ALG	A	14932.0				
	BTA Sofia, BUL	E	11502.0				
	CETEK Prague, TCH	E	18985.0				
		F	13647.5				
	COPYRIGHT Klingenfuss	D	7400.0	1987.0			
	DPA Hamburg, D	G	110.6				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	E	19178.0				
	INA Baghdad, IRQ	A	9867.0	14699.0			
	JANA Tripoli, LBY	A	14573.0				
		E	15462.0				
	JPS Tokyo, J	E	10710.0				
	KCNA Pyongyang, KRE	E	11536.0	14452.0			
		R	13780.0	15633.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	10157.0	11497.0
			11578.0	12079.0	14422.0	14835.0	15647.0
			17627.0	18282.0	18297.0	18311.0	18644.5
	KYODO Tokyo, J	E	10795.0	12275.0	14547.5		
	MENA Cairo, EGY	A	10150.0	15845.0			
	Moscow R, RU, URS	R	12739.0				
	PETRA Amman, JOR	A	15810.0				
		E	9463.0	13485.0			
	PL Moscow, RU, URS	E	18600.0	19505.0			
	SANA Damascus, SYR	A	11080.0				
	TANJUG Belgrade, YUG	E	7658.0	12212.3	16343.0		
	TASS Moscow, RU, URS	A	14720.0	14880.0	15865.0		

CHRONOLOGICAL PRESS 5

0800	TASS Moscow, RU, URS	E	8140.0	8780.0	12315.0	13920.0	14490.0
			14510.0	14700.0	15575.0	15580.0	15605.0
		F	15780.0	16050.0	16140.0	18385.0	
			10120.0	10675.0	10790.0	14940.0	15710.0
			15930.0	16190.0	16260.0	17510.0	17570.0
		P	15890.0				
	VNA Hanoi, VTN	E	15744.0				
	VoA Bethany, OH, USA	E	10380.8	10382.2			
	VoA La Union, Poro I., PHL	E	19792.5				
	VoA Rhodes, GRC	E	10879.8	10881.2			
	VoA Tanger, MRC	E	13770.0				
	VWD Frankfurt, D	G	55.3	129.1			
	XINHUA Beijing, CHN	E	14367.0	17470.0	18872.0		
		F	17443.0				
0830	MEA Delhi, IND	E	14785.0	18255.0			
	XINHUA Beijing, CHN	R	14376.0				
0845	PAP Warsaw, POL	R	17492.0				
0900	AA Ankara, TUR	E	18040.0				
	ADN Berlin, DDR	A	13895.0				
		E	10543.0	14800.0	14825.0	16417.0	
	AFP Paris, F	A	14794.3				
		E	13729.7	15977.0			
		F	13728.3	14795.7	15978.4		
	AGERPRES Bucharest, ROU	E	9797.0				
	ANSA Rome, I	F	4804.0	8062.0	12108.0	14630.5	15693.5
			20085.0	20430.0			
	APN Moscow, RU, URS	A	12222.5	14690.0	16020.0	16220.0	
		E	11575.0	14580.0	16060.0	16145.0	16150.0
			16155.0	16250.0	17520.0		
		F	15693.0	16040.0	16175.0	18245.5	19127.0
		G	13430.0				
		P	16300.0				
		R	10740.0	12285.0	14545.0	15660.0	15720.0
			15910.0	16135.0			
	APS El Djaza'ir, ALG	A	14932.0				
	ATA Tirana, ALB	E	9133.0				
		F	9430.0				
	BSS Dhaka, BGD	E	19100.0				
	CETEK Prague, TCH	E	18985.0				
	DIPLO Paris, F	E	9788.0	13998.0			
		F	16397.5	20078.0	20315.0	22915.0	
	DPA Hamburg, D	E	18697.5	18700.6			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	E	19178.0				
	INA Baghdad, IRQ	A	9867.0	14699.0			
	JPS Tokyo, J	E	10710.0				
	KCNA Pyongyang, KRE	E	11536.0	14452.0			
	KPL Vientiane, LAO	E	14640.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	10157.0	11497.0
			11578.0	12079.0	14422.0	14835.0	15647.0
			17627.0	18282.0	18297.0	18311.0	18644.5
	MAP Rabat, MRC	A	10475.2	14574.4	18496.1		
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	10150.0	15845.0			
	PANA Dakar, SEN	E/F	16117.0				
	PETRA Amman, JOR	A	9463.0				
	PIAB Bonn, D	G	13926.9	20060.8			
	PL Habana, CUB	E	8140.0				
	PL Moscow, RU, URS	P	18600.0	19505.0			

CHRONOLOGICAL PRESS 6

0900	SANA Damascus, SYR	A	11080.0						
	TANJUG Belgrade, YUG	E	7658.0	16343.0					
		F	15705.0						
		SC	5112.0						
	TASS Moscow, RU, URS	E	12085.0	12315.0	14510.0	14700.0	15575.0		
			15580.0	15780.0					
		F	10120.0	10675.0	10790.0	14940.0	15710.0		
			15925.0	15930.0	16190.0	16260.0	17510.0		
			17570.0						
		P	14625.0	15890.0					
	TELAM Buenos Aires, ARG	S	4004.5						
	VoA La Union, Poro I., PHL	E	19792.5						
	VoA Tanger, MRC	E	13770.0	19914.9					
	VWD Frankfurt, D	G	55.3	129.1					
	XINHUA Beijing, CHN	E	6915.0	14367.0	15544.0	17470.0	18872.0		
		F	17443.0						
		R	14376.0						
		E	17525.0						
0915	CETEKTA Prague, TCH	E	7695.0	10960.0	13563.0	16224.0			
0930	CNA Taipei, TAI	E	18040.0						
1000	AA Ankara, TUR	E	13735.0	13895.0	14800.0	14825.0	16325.0		
	ADN Berlin, DDR	E	16417.0						
		F	16403.0						
	AFP Paris, F	E	13729.7	15977.0					
		F	14795.7	15978.4					
	AGERPRES Bucharest, ROU	F	9797.0						
	ANSA Rome, I	E	4804.0	8030.0	8062.0	20430.0			
	APN Moscow, RU, URS	E	11575.0	16060.0	16075.0	16145.0	16150.0		
			18245.5						
		F	16020.0	16040.0	16175.0				
		P	16300.0	18310.0	18455.0				
		R	10465.0	10740.0	10865.0	11615.0	12285.0		
	APS El Djaza'ir, ALG	E	15480.0						
	ATA Tirana, ALB	E	9133.0						
		F	9430.0						
	CETEKTA Prague, TCH	E	13597.5						
	CNA Taipei, TAI	E	7695.0	10960.0	13563.0	16224.0			
	DIPLO Paris, F	F	9788.0	13998.0	16397.5	20078.0	20315.0		
	DPA Hamburg, D	E	13482.0	18697.5					
		G	110.6						
	EPD/SID Frankfurt, D	G	140.3						
	GNA Manama, BHR	A	9197.5	14764.0					
	IINA Rome, I	E	19178.0						
	INA Baghdad, IRQ	A	9867.0	14699.0					
	IRNA Tehran, IRN	E	18560.0	19200.0	19980.0				
	JANA Tripoli, LBY	A	14573.0						
	KCNA Pyongyang, KRE	E	8152.0	10580.0	11536.0	14452.0	14568.0		
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0		
			7701.0	7915.5	9231.0	10157.0	11497.0		
			11578.0	12079.0	14422.0	14835.0	15647.0		
			17627.0	18282.0	18297.0	18311.0	18644.5		
		E	3803.0	5023.0	6858.0	7599.0	7649.0		
			7697.0	7911.5	9227.0	10153.0	11493.0		
			11574.0	12075.0	14418.0	14831.0	15643.0		
			17623.0	18278.0	18293.0	18307.0	18640.5		
	KYODO Singapore, SNG	E	20960.0						
	KYODO Tokyo, J	E	12275.0	14547.5					
	MAP Rabat, MRC	A	10475.2	14574.4	18496.1				
		F	7842.4	10213.0	10595.2	10634.1	14760.0		
			15999.9	16134.1	18220.9				
	MEA Delhi, IND	E	14785.0						
	MENA Cairo, EGY	A	15845.0						

CHRONOLOGICAL PRESS 7

1000	MTI Budapest, HNG	E	9114.0				
	NA Buenos Aires, ARG	S	10805.0				
	PANA Dakar, SEN	E/F	16117.0				
	PETRA Amman, JOR	A	9463.0	13485.0			
	PL Moscow, RU, URS	P	18600.0	19505.0			
	SUNA Khartoum, SDN	A	15731.0				
		E	18788.0				
	TANJUG Belgrade, YUG	E	7658.0	12212.3	13440.0	16343.0	
	TASS Moscow, RU, URS	E	13920.0	14490.0	14700.0	15780.0	16050.0
			16140.0	18385.0			
		F	10120.0	10675.0	10790.0	14940.0	15710.0
			15930.0	16190.0	16260.0	17510.0	17570.0
		P	14625.0	15890.0			
	VoA Bethany, OH, USA	E	10380.8	10382.2			
	VoA La Union, Poro I., PHL	F	19792.5				
	VoA Rhodes, GRC	F	10879.8	10881.2			
	VoA Tanger, MRC	E	19914.9				
		F	13770.0				
	VWD Frankfurt, D	G	55.3	129.1			
	XINHUA Beijing, CHN	E	14367.0	16136.0	17470.0		
		F	17443.0				
1030	Rügen R, DDR	G	4242.5	8608.5			
1100	AA Ankara, TUR	Turk.	18040.0				
	ADN Berlin, DDR	E	10543.0	13735.0	13895.0	14800.0	16325.0
			16417.0				
		F	16403.0				
	AFP Paris, F	A	14794.3				
		E	15977.0				
		F	13728.3	14795.7	15978.4		
	AGERPRES Bucharest, ROU	E	12110.0				
	ANSA Rome, I	E	8030.0	8062.0	12108.0	14630.5	15693.5
			20430.0				
	APN Moscow, RU, URS	A	16020.0	17550.0			
		E	16145.0	18245.5			
		F	16175.0				
		P	10595.0	16300.0	18310.0	18455.0	
		R	10865.0	12285.0	16060.0		
	APS El Djaza'ir, ALG	E	15480.0				
	ATA Tirana, ALB	E	9430.0				
		F	7850.0				
	BSS Dhaka, BGD	E	19100.0				
	CETEK Prague, TCH	E	18985.0				
	DIPLO Paris, F	F	9788.0	13998.0	20078.0	20315.0	
	DPA Hamburg, D	E	18697.5				
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	E	19178.0				
	INA Baghdad, IRQ	A	9867.0	14699.0			
		E	13524.0	14373.0			
	IRNA Tehran, IRN	A	18560.0	19980.0			
	JANA Tripoli, LBY	A	14573.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	10157.0	11497.0
			11578.0	12079.0	14422.0	14835.0	15647.0
			17627.0	18282.0	18297.0	18311.0	18644.5
		E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	10153.0	11493.0
			11574.0	12075.0	14418.0	14831.0	15643.0
			17623.0	18278.0	18293.0	18307.0	18640.5
	MAP Rabat, MRC	F	7842.4	10213.0	10595.2	10634.1	14760.0
			15999.9	16134.1	18220.9		

CHRONOLOGICAL PRESS 8

1100	MENA Cairo, EGY	A	10150.0	15845.0				
		F	10610.0					
	MTI Budapest, HNG	E	9114.0					
	PANA Dakar, SEN	E/F	16117.0					
	PAP Warsaw, POL	E	11494.0	13793.0				
	PETRA Amman, JOR	A	11580.3					
	PL Moscow, RU, URS	F	19505.0					
		P	18600.0					
	TANJUG Belgrade, YUG	E	7658.0	12212.3	13440.0	14632.0	16065.0	
		F	15705.0					
		SC	5112.0					
	TAP Tunis, TUN	A	13610.0					
	TASS Moscow, RU, URS	A	10105.0					
		E	12315.0	13920.0	14490.0	14510.0	14700.0	
			15780.0	16140.0	18385.0			
		F	7560.0	10120.0	10675.0	10790.0	14720.0	
			14940.0	15710.0	15925.0	15930.0	16190.0	
			16260.0	17510.0	17570.0			
	VNA Hanoi, VTN	E	11420.0					
	VoA Bethany, OH, USA	E	10380.8	10382.2				
	VoA La Union, Poro I., PHL	F	19792.5					
	VoA Rhodes, GRC	F	10879.8	10881.2				
	VoA Tanger, MRC	E	19914.9					
		F	13770.0					
	VWD Frankfurt, D	G	55.3	129.1				
	XINHUA Beijing, CHN	E	6915.0	14367.0	16136.0	17470.0		
		F	17443.0					
1145	KCNA Pyongyang, KRE	F	8152.0	10524.0	11536.0			
1200	AA Ankara, TUR	Turk.	18040.0					
	ADN Berlin, DDR	A	13895.0	16325.0				
		E	13735.0					
	AFP Paris, F	A	14794.3					
		E	15977.0					
		F	14795.7	15978.4				
	ANSA Rome, I	E	8030.0	12108.0	13487.5	15693.5	20430.0	
	APN Moscow, RU, URS	A	14690.0					
		E	10740.0					
		P	16300.0	18310.0	18455.0			
	APS El Djaza'ir, ALG	F	15480.0					
	ATA Tirana, ALB	F	7850.0					
	BTA Sofia, BUL	E	13400.0					
		F	11110.0					
	CETEK Prague, TCH	E	18985.0					
		F	13647.5					
	DIPLO Paris, F	F	4059.5	9788.0	13998.0	16106.0	16397.5	
			18785.0	20078.0				
	DPA Hamburg, D	G	110.6					
	EPD/SID Frankfurt, D	G	140.3					
	GNA Manama, BHR	A	9197.5	14764.0				
	IINA Rome, I	A	20187.0					
		E	19178.0					
	INA Baghdad, IRQ	A	9867.0	14699.0				
		E	13524.0	14373.0				
	IRNA Tehran, IRN	A	18560.0					
	KCNA Pyongyang, KRE	F	8152.0	10524.0	11536.0			
	KOPY Right Klingenfuss	D	1987.0	7400.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0	
			7701.0	7915.5	9231.0	10157.0	11497.0	
			11578.0	12079.0	14422.0	14835.0	15647.0	
			17627.0	18282.0	18297.0	18311.0	18644.5	

CHRONOLOGICAL PRESS 9

1200	KUNA Safat, KWT	E	3803.0	5023.0	6858.0	7599.0	7649.0
			7697.0	7911.5	9227.0	10153.0	11493.0
			11574.0	12075.0	14418.0	14831.0	15643.0
			17623.0	18278.0	18293.0	18307.0	18640.5
	KUP Jamba, AGL	F	18330.8				
	MAP Rabat, MRC	E	7842.4	10213.0	14574.4	14760.0	15999.9
			16134.1	18220.9	18496.1		
	MEA Delhi, IND	E	14785.0	18255.0			
	MENA Cairo, EGY	A	15845.0				
		F	13653.0				
	PAP Warsaw, POL	Pol.	7892.5	11423.5	11494.0	13602.4	14362.0
			18993.5	20933.5	20936.5		
	PL Habana, CUB	E	16348.0				
	PL Moscow, RU, URS	P	18600.0	19505.0			
	PL Tokyo, J	S	10710.0				
	SANA Damascus, SYR	A	11080.0				
	TANJUG Belgrade, YUG	E	7658.0	12212.3	13440.0	14632.0	
		F	15705.0	20204.0			
		SC	5112.0				
	TASS Moscow, RU, URS	A	10105.0	14720.0	14880.0	15865.0	
		E	12315.0	14490.0	14510.0	14700.0	15575.0
			15780.0	16050.0	16140.0	18385.0	
		F	10120.0	10675.0	10790.0	14940.0	15580.0
			15710.0	15925.0	15930.0	16190.0	16260.0
			17510.0	17570.0			
		P	14625.0	17600.0			
	VNA Hanoi, VTN	F	11420.0	16383.0			
	VoA Tanger, MRC	E	13770.0				
	VWD Frankfurt, D	G	55.3	129.1			
	XINHUA Beijing, CHN	E	14367.0	15544.0	16136.0	18872.0	
1215	TASS Moscow, RU, URS	R	13410.0				
1220	KYODO Tokyo, J	E	8175.0				
1230	KCNA Pyongyang, KRE	R	13780.0	15633.0			
1245	KCNA Pyongyang, KRE	R	9395.0				
1300	ADN Berlin, DDR	A	13895.0				
		E	9966.5	10543.0	14800.0		
	AFP Paris, F	A	14794.3				
		E	13729.7	15977.0			
		F	13728.3	14795.7	15978.4		
	APN Moscow, RU, URS	E	10740.0	16145.0			
		P	18310.0	18455.0			
	APS El Djaza'ir, ALG	E	15480.0				
	Athens R, GRC	Greek	17208.5				
	AZAP Kinshasa, ZAI	F	10640.0				
	BTA Sofia, BUL	F	11110.0				
	CETKA Prague, TCH	E	13597.5	13647.5			
	DIPLO Paris, F	F	4059.5	9788.0	13998.0	16397.5	18785.0
			20078.0				
	DPA Hamburg, D	E	13482.0	18697.5			
		G	110.6				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	9197.5	14764.0			
	IINA Rome, I	A	20187.0				
		E	14884.0				
	INA Baghdad, IRQ	A	5867.0	9867.0	10162.5		
		E	13524.0	14373.0			
	KCNA Pyongyang, KRE	F	10524.0	11536.0			
		R	13780.0	15633.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	10157.0	11497.0
			11578.0	12079.0	14422.0	14835.0	15647.0
			17627.0	18282.0	18297.0	18311.0	18644.5

1300	KUNA Safat, KWT	E	3803.0	5023.0	6858.0	7599.0	7649.0	
			7697.0	7911.5	9227.0	10153.0	11493.0	
			11574.0	12075.0	14418.0	14831.0	15643.0	
			17623.0	18278.0	18293.0	18307.0	18640.5	
	MAR Rabat, MRC	E	7842.4	10213.0	14574.4	14760.0	15999.9	
			16134.1	18220.9	18496.1			
	MEA Delhi, IND	E	14785.0	18255.0				
	MENA Cairo, EGY	A	10150.0	15845.0				
	PANA Dakar, SEN	E/F	16117.0					
	PAP Warsaw, POL	Pol.	11423.5					
	PL Habana, CUB	E	14901.0	16348.0				
	PL Moscow, RU, URS	P	18600.0	19505.0				
	SANA Damascus, SYR	A	11080.0					
	TANJUG Belgrade, YUG	E	7658.0	12212.3	13440.0	14632.0	16343.0	
			20204.0					
		F	15705.0					
		SC	5112.0					
	TAP Tunis, TUN	A	13610.0					
	TASS Moscow, RU, URS	A	14880.0					
		E	8060.0	10258.0	10270.0	12085.0	12315.0	
			13920.0	14490.0	14510.0	14700.0	15575.0	
			15780.0	16050.0	16140.0	18385.0		
		F	7695.0	10120.0	10675.0	10790.0	14720.0	
			14940.0	15580.0	15710.0	15865.0	15930.0	
			16190.0	16260.0	17510.0	17570.0		
		P	14625.0	15890.0				
	VNA Hanoi, VTN	F	11420.0	16383.0				
	VWD Frankfurt, D	G	55.3	129.1				
	XINHUA Beijing, CHN	E	11606.0	14367.0	16136.0	18872.0		
1315	Moscow R, RU, URS	G	17228.0					
1330	BTA Sofia, BUL	E	11502.0					
	CNA Taipei, TAI	E	7695.0	10960.0	13563.0	16224.0		
	JIJI Singapore, SNG	E	16150.0	17430.0				
	Rügen R, DDR	G	8608.5	17183.0				
1345	AA Ankara, TUR	Turk.	18040.0					
	PIAB Bonn, D	G	123.7	8132.0				
1400	AA Ankara, TUR	Turk.	18040.0					
	ADN Berlin, DDR	E	7555.0	7950.5	9966.5	10543.0	13895.0	
			14800.0	16325.0				
		F	16403.0					
	AFP Paris, F	A	14794.3					
		E	13729.7	15977.0				
		F	13728.3	14795.7	15978.4			
	AFP Victoria Island, HKG	F	7542.5					
	ANSA Rome, I	F	8030.0	9052.5	10815.0	12108.0	12128.0	
			14630.5	15693.5	20085.0			
	APN Moscow, RU, URS	A	14690.0					
		E	10740.0					
		P	18310.0	18455.0				
	APS El Djaza'ir, ALG	A	14932.0					
		E	15480.0					
	ATA Tirana, ALB	F	10435.0					
	AZAP Kinshasa, ZAI	F	10640.0					
	CNA Taipei, TAI	E	7695.0	10960.0	13563.0	16224.0		
	DIPLO Paris, F	E	16397.5					
		F	4059.5	9788.0	18785.0	20078.0		
	DPA Hamburg, D	E	13482.0	18697.5				
		G	110.6					
	EPD/SID Frankfurt, D	G	140.3					
	GNA Manama, BHR	A	9197.5	14764.0				
	IINA Rome, I	A	11027.0					
		E	14884.0					

CHRONOLOGICAL PRESS 11

1400	INA Baghdad, IRQ	A	9867.0	10162.5					
		E	13524.0	14373.0					
	JANA Tripoli, LBY	A	10518.0						
		E	12186.0						
	KCNA Pyongyang, KRE	F	10524.0						
		R	13780.0	15633.0					
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0		
			7701.0	7915.5	9231.0	10157.0	11497.0		
			11578.0	12079.0	14422.0	14835.0	15647.0		
			17627.0	18282.0	18297.0	18311.0	18644.5		
		E	3803.0	5023.0	6858.0	7599.0	7649.0		
			7697.0	7911.5	9227.0	10153.0	11493.0		
			11574.0	12075.0	14418.0	14831.0	15643.0		
			17623.0	18278.0	18293.0	18307.0	18640.5		
	MEA Delhi, IND	E	14785.0	18255.0					
	MENA Cairo, EGY	A	5220.0	10150.0	15845.0				
	PANA Dakar, SEN	E/F	16117.0						
	PAP Warsaw, POL	E	11497.0						
		Pol.	7892.5	11423.5	13602.4	18993.5	23405.0		
	PETRA Amman, JOR	A	5055.0	6830.0	9463.0	13485.0			
	PL Habana, CUB	E	14901.0	16348.0					
	PL Moscow, RU, URS	P	18600.0	19505.0					
	SANA Damascus, SYR	A	11080.0						
	TANJUG Belgrade, YUG	E	12212.3	13440.0	14632.0				
		S	19865.5						
		SC	5112.0						
	TAP Tunis, TUN	A	13610.0						
		F	17390.0						
	TASS Moscow, RU, URS	A	7970.0	14880.0	15865.0				
		E	9145.0	9420.0	10165.0	10240.0	10258.0		
			10270.0	12315.0	13490.0	14490.0	15580.0		
		F	7695.0	10120.0	10675.0	10790.0	14940.0		
			15710.0	15930.0	16190.0	16260.0	17510.0		
			17570.0						
	VNA Hanoi, VTN	E	10600.0	11420.0	13462.0				
	VWD Frankfurt, D	G	55.3	129.1					
	XINHUA Beijing, CHN	E	6915.0	7520.0	7650.0	9417.0	9491.0		
			9868.0	11606.0	11680.0	12265.0	14760.0		
			18872.0						
		F	11133.0						
1415	SUNA Khartoum, SDN	A	15731.0						
1430	PIAB Bonn, D	G	13620.5	16017.4					
1500	AA Ankara, TUR	Turk.	18040.0						
	ADN Berlin, DDR	A	7555.0						
		E	5195.0	7425.0	7950.5	10543.0	13735.0		
			13895.0	14800.0	16325.0	16403.0			
	AFP Paris, F	A	14794.3						
		E	15977.0						
		F	14795.7	15978.4					
	ANSA Rome, I	E	5035.0	8062.0	9052.5	12108.0	14630.5		
			15693.5	20085.0	20430.0				
	APS El Djaza'ir, ALG	A	14932.0						
		E	15480.0						
	ATA Tirana, ALB	E	9430.0						
		F	10435.0						
	CETEK Prague, TCH	E	13597.5	15897.5					
		F	13647.5						
	DIPLO Paris, F	E	4059.5						
		F	16397.5	18785.0					
	DPA Hamburg, D	E	11125.0	13482.0	18697.5				
	DyN Buenos Aires, ARG	S	11013.0						
	EPD/SID Frankfurt, D	G	140.3						

CHRONOLOGICAL PRESS 12

1500	GNA Manama, BHR	A	4042.0	14764.0				
	IINA Rome, I	A	11027.0					
	INA Baghdad, IRQ	A	7565.0	9867.0	10162.5			
		E	13524.0	14373.0				
	IRNA Tehran, IRN	E	7800.0	7960.0				
	JANA Tripoli, LBY	A	10518.0					
		F	12186.0					
	KCNA Pyongyang, KRE	E	9395.0	10580.0	11430.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0	
			7701.0	7915.5	9231.0	10157.0	11497.0	
			11578.0	12079.0	14422.0	14835.0	15647.0	
			17627.0	18282.0	18297.0	18311.0	18644.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0	
			7697.0	7911.5	9227.0	10153.0	11493.0	
			11574.0	12075.0	14418.0	14831.0	15643.0	
			17623.0	18278.0	18293.0	18307.0	18640.5	
	MEA Delhi, IND	E	7775.0					
	MENA Cairo, EGY	A	3571.0	7756.0	10150.0	15845.0		
		F	13653.0					
	PANA Dakar, SEN	E	20327.5					
		E/F	16117.0					
	PAP Warsaw, POL	E	16210.0					
		R	11494.0					
	PETRA Amman, JOR	A	5055.0	6830.0	9463.0	13485.0		
	PL Habana, CUB	E	14901.0	16348.0				
	PTI Delhi, IND	E	7945.0					
	Rogaland R, NOR	N	4352.5	12682.5				
	SANA Damascus, SYR	A	2995.0	11080.0				
	TANJUG Belgrade, YUG	E	7658.0	12212.3	13440.0	14632.0		
		F	15705.0					
		S	19865.5					
		SC	5112.0					
	TAP Tunis, TUN	F	13610.0	17390.0				
	TASS Moscow, RU, URS	A	7970.0	15865.0				
		E	7615.0	8140.0	9145.0	10240.0	10258.0	
			12315.0	13490.0	14490.0	14510.0	15780.0	
			16140.0					
		F	7560.0	7875.0	10120.0	10675.0	10790.0	
			14940.0	15710.0	15930.0	16190.0	16260.0	
			17510.0	17570.0				
		P	10985.0	14625.0	15890.0			
	TELAM Buenos Aires, ARG	S	13540.0					
	USIA New York, NY, USA	E	14638.0					
	VNA Hanoi, VTN	E	9330.0	10600.0	11420.0	13462.0		
	VWD Frankfurt, D	G	55.3	129.1				
	XINHUA Beijing, CHN	E	9417.0	9491.0	11606.0	12265.0	14367.0	
			14938.0					
		F	7923.0	11133.0				
1530	MAP Rabat, MRC	A	10475.2	14574.4	18496.1			
		F	7842.4	10213.0	10595.2	10634.1	14760.0	
			15999.9	16134.1	18220.9			
1600	ADN Berlin, DDR	A	7555.0	7949.5	10919.5	13895.0	16325.0	
		E	5195.0	7950.5	8068.0	10543.0	10920.5	
			14800.0					
	AFP Paris, F	A	8022.3					
		E	9396.4	13729.7	15977.0			
		F	8023.7	9397.9	13728.3	14795.7	15978.4	
	AGERPRES Bucharest, ROU	F	6972.0					
	ANSA Rome, I	F	4804.0	5035.0	8030.0	8062.0	10815.0	
			12128.0	14630.5	15693.5	20085.0	20430.0	
	APS El Djaza'ir, ALG	F	15480.0					
	AZAP Kinshasa, ZAI	F	10640.0					

1600	CETEK Prague, TCH	E	9353.0	18985.0				
		F	13647.5					
		S	13597.5					
	COP Yrigh Klingenfuss	D	7400.0	19870.0				
	DIPLO Paris, F	F	13998.0	16397.5	18785.0	20078.0		
	DPA Hamburg, D	E	11125.0	13482.0	18697.5			
	EPD/SID Frankfurt, D	G	140.3					
	GNA Manama, BHR	A	4042.0	14764.0				
	IINA Rome, I	A	9443.0					
	INA Baghdad, IRQ	A	5867.0	7565.0	9867.0	10162.5		
		E	13524.0	14373.0				
	IRNA Tehran, IRN	E	7800.0	7960.0				
	JANA Tripoli, LBY	A	14573.0					
	KCNA Pyongyang, KRE	E	9395.0	10580.0	11430.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0	
			7701.0	7915.5	9231.0	10157.0	11497.0	
			11578.0	12079.0	14422.0	14835.0	15647.0	
			17627.0	18282.0	18297.0	18311.0	18644.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0	
			7697.0	7911.5	9227.0	10153.0	11493.0	
			11574.0	12075.0	14418.0	14831.0	15643.0	
			17623.0	18278.0	18293.0	18307.0	18640.5	
	Lyngby R, DNK	Dan.	17206.0					
	MAP Rabat, MRC	A	10475.2	14574.4	18496.1			
		F	7842.4	10213.0	10595.2	10634.1	14760.0	
			15999.9	16134.1	18220.9			
	MEA Delhi, IND	E	7775.0					
	MENA Cairo, EGY	A	3571.0	5220.0	10150.0	15845.0		
		E	7610.0					
	MONTSAME Ulan Bator, MNG	E	10335.0					
	PANA Dakar, SEN	E/F	16117.0					
	PIAB Bonn, D	G	9141.5					
	PL Habana, CUB	E	14901.0	16348.0				
	SANA Damascus, SYR	A	2995.0					
		F	15020.0					
	SUNA Khartoum, SDN	E	15731.0					
	TANJUG Belgrade, YUG	E	7658.0	12212.3	13440.0	14632.0		
		F	15705.0					
		SC	5112.0					
	TAP Tunis, TUN	E	13610.0					
	TASS Moscow, RU, URS	A	7695.0	7970.0				
		E	5830.0	7615.0	8060.0	8140.0	9145.0	
			9420.0	10240.0	10258.0	10270.0	12315.0	
			14510.0	15580.0	15605.0	15780.0		
		F	10120.0	10675.0	10790.0	10880.0	11495.0	
			12325.0	14940.0	15710.0	15930.0	16190.0	
			16260.0	17510.0	17570.0			
		P	14625.0	15890.0				
	TELAM Buenos Aires, ARG	S	13540.0					
	USIA New York, NY, USA	E	14638.0	18542.5				
	VNA Hanoi, VTN	E	10600.0	11420.0				
		F	9330.0					
	VoA Greenville, NC, USA	E	11150.0	18215.0				
	XINHUA Beijing, CHN	E	9417.0	9470.0	9491.0	11606.0	12265.0	
			14367.0					
		F	11133.0	14760.0	14938.0			
1615	MTI Budapest, HNG	E	15670.0					
		F	10911.0					
1630	ANA Aden, YMS	A	9072.0	9965.0				
	CETEK Prague, TCH	E	13597.5					
	Lyngby R, DNK	Dan.	4355.5					
	XINHUA Beijing, CHN	E	6915.0					

1700	ADN Berlin, DDR	A	7555.0	13895.0				
		E	5195.0	7425.0	7950.5	10543.0	13735.0	
			16325.0					
	AFP Paris, F	A	5839.6	8022.3				
		E	9396.4	13729.7	15977.0			
		F	5841.0	8023.7	9397.7	13728.3	14795.7	
			15978.4					
	AGERPRES Bucharest, ROU	E	6972.0					
	ANA Aden, YMS	A	9072.0	9965.0				
	ANSA Rome, I	E	8047.5	9362.0	9402.5			
		F	10815.0					
	ANSA Singapore, SNG	E	10408.0	16265.0				
	APS El Djaza'ir, ALG	A	14932.0					
		S	15480.0					
	ATA Tirana, ALB	E	9430.0					
		F	7850.0					
	AZAP Kinshasa, ZAI	F	10640.0					
	CETEK Prague, TCH	E	9353.0					
		S	18985.0					
	DIPLO Paris, F	F	13998.0	16397.5	18785.0			
	DPA Hamburg, D	E	11125.0					
	EPD/SID Frankfurt, D	G	140.3					
	GNA Manama, BHR	A	4042.0	14764.0				
	Goeteborg R, S	Swed.	4268.6	8556.0				
	IINA Rome, I	A	9443.0					
	INA Baghdad, IRQ	A	5867.0	9867.0	10162.5			
		E	13524.0					
	IRNA Tehran, IRN	E	7800.0	7960.0				
	JANA Tripoli, LBY	A	10518.0	14573.0				
		E	12186.0					
		F	15462.0					
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0	
			7701.0	7915.5	9231.0	10157.0	11497.0	
			11578.0	12079.0	14422.0	14835.0	15647.0	
			17627.0	18282.0	18297.0	18311.0	18644.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0	
			7697.0	7911.5	9227.0	10153.0	11493.0	
			11574.0	12075.0	14418.0	14831.0	15643.0	
			17623.0	18278.0	18293.0	18307.0	18640.5	
	MENA Cairo, EGY	A	3571.0	5220.0	10150.0			
		E	3356.0					
		E/F	5275.0					
	MONTSAME Ulan Bator, MNG	E	10335.0					
	MTI Budapest, HNG	E	9114.0					
	PANA Dakar, SEN	E/F	16117.0					
	PAP Warsaw, POL	E	5800.0	7845.0				
		F	18650.0					
	PETRA Amman, JOR	E	5055.0	6830.0	9463.0			
	PL Habana, CUB	E	14901.0	16348.0				
	Rogaland R, NOR	N	4352.5	8707.0	13081.0	13097.0	17199.5	
			17223.0					
	SANA Damascus, SYR	A	2995.0					
	SUNA Khartoum, SDN	A	15731.0					
		E	18788.0					
	TANJUG Belgrade, YUG	E	5240.0	7658.0	7806.0	7996.0		
		F	10278.8					
		SC	5112.0					
	TASS Moscow, RU, URS	A	7970.0	10985.0				
		E	8140.0	10258.0	10270.0	10880.0	11470.0	
			12315.0	14510.0	16050.0			
		F	7560.0	7695.0	7787.0	9110.0	9850.0	
		P	12285.0	15890.0				

1700	USIA New York, NY, USA	E	14638.0	18542.5				
	VNA Hanoi, VTN	E	10600.0	11420.0				
	VoA Greenville, NC, USA	E	11150.0	18215.0				
	XINHUA Beijing, CHN	E	7650.0					
		F	11133.0					
1730	BTA Sofia, BUL	E	6960.0	7460.0				
	IRNA Tehran, IRN	A	8050.0					
	PL Tokyo, J	S	10710.0					
1745	CETIKA Prague, TCH	E	13597.5					
1800	ADN Berlin, DDR	A	7555.0					
		E	5195.0	7425.0	7949.5	7950.5	8068.0	
			10543.0	13895.0				
		F	7307.0	8067.0				
	AFP Paris, F	E	9396.4	10615.7				
		F	8023.7	9397.7	10614.3			
	AGERPRES Bucharest, ROU	F	6972.0					
	ANA Aden, YMS	E	9965.0					
	ANSA Rome, I	E	8047.5					
		F	8062.0	9052.5	9402.5	10815.0	14630.5	
	APS El Djaza'ir, ALG	A	14932.0					
	ATA Tirana, ALB	E	9430.0					
		F	7850.0					
	AZAP Kinshasa, ZAI	F	10640.0					
	CETIKA Prague, TCH	E	7577.5	9353.0				
	DIPLO Paris, F	F	13998.0	20078.0				
	DPA Hamburg, D	E	11125.0	18697.5				
	GNA Manama, BHR	A	4042.0	14764.0				
	IINA Rome, I	A	9443.0					
	INA Baghdad, IRQ	A	7565.0	9867.0	10162.5			
	IRNA Tehran, IRN	A	8050.0					
	JANA Tripoli, LBY	A	10518.0					
		E	12186.0					
	KCNA Pyongyang, KRE	E	8020.0	11475.0				
		F	9395.0	11536.0				
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0	
			7701.0	7915.5	9231.0	10157.0	11497.0	
			11578.0	12079.0	14422.0	14835.0	15647.0	
			17627.0	18282.0	18297.0	18311.0	18644.5	
		E	3803.0	5023.0	6858.0	7599.0	7649.0	
			7697.0	7911.5	9227.0	10153.0	11493.0	
			11574.0	12075.0	14418.0	14831.0	15643.0	
			17623.0	18278.0	18293.0	18307.0	18640.5	
	MENA Cairo, EGY	A	3571.0	5220.0	7610.0	10150.0		
	PAP Warsaw, POL	Pol.	7892.5	11423.5	13496.5	13602.4	18648.5	
			18651.5					
	PETRA Amman, JOR	E	5055.0	6830.0				
	PL Habana, CUB	E	14901.0	16348.0				
	TANJUG Belgrade, YUG	E	5240.0	7658.0	7806.0	7996.0		
		SC	5112.0					
	TASS Moscow, RU, URS	A	7695.0	7970.0	10985.0	12085.0	15865.0	
		E	5830.0	6870.0	7615.0	8060.0	8140.0	
			9110.0	9420.0	10240.0	10270.0		
		F	7560.0	7787.0	9850.0	10675.0		
		P	15890.0					
	USIA New York, NY, USA	E	14638.0					
	VNA Hanoi, VTN	F	10600.0					
	VoA Greenville, NC, USA	E	11150.0					
	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	9417.0		
		F	11133.0					
1815	Berne R, SUI	G	8717.5					
1830	BTA Sofia, BUL	E	11502.0					
	KCNA Pyongyang, KRE	E	12175.0					
	XINHUA Beijing, CHN	E	6915.0	7923.0				

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1900	ADN Berlin, DDR	E	5195.0	7425.0	7555.0	8068.0	10543.0
			10919.5	10920.5			
		F	7307.0				
	AFP Paris, F	A	5839.6				
		F	5841.0	8023.7	9397.9		
	ANGOP Moscow, RU, URS	P	7525.0	9140.0			
	ANSA Rome, I	E	8062.0	9052.5	10815.0	14630.5	
	APS El Djaza'ir, ALG	E	15480.0				
	ATA Tirana, ALB	F	7850.0				
	AZAP Kinshasa, ZAI	F	10640.0				
	CETIKA Prague, TCH	E	9353.0				
		F	8142.5				
	DIPLO Paris, F	F	9788.0	13998.0			
	DyN Buenos Aires, ARG	S	7954.5				
	GNA Manama, BHR	A	4042.0	14764.0			
	INA Baghdad, IRQ	A	7565.0	9867.0	10162.5		
	IRNA Tehran, IRN	E	7960.0	8050.0			
	JANA Tripoli, LBY	E	12186.0				
	KCNA Pyongyang, KRE	E	8020.0	12175.0			
		F	9395.0	11536.0			
	KUNA Safat, KWT	A	3807.0	5027.0	6862.0	7603.0	7653.0
			7701.0	7915.5	9231.0	10157.0	11497.0
			11578.0	12079.0	14422.0	14835.0	15647.0
			17627.0	18282.0	18297.0	18311.0	18644.5
	MENA Cairo, EGY	A	3571.0	5220.0	7610.0	7756.0	10150.0
		F	5275.0				
	PAP Warsaw, POL	F	6848.0				
	PL Habana, CUB	E	14901.0	16348.0			
	Rogaland R, NOR	N	4351.0	4352.5	8707.0	12682.5	13081.0
			13097.0	17199.5	17223.0		
	SPK Phnom Penh, KMP	F	9255.0				
	TANJUG Belgrade, YUG	F	7592.0				
	TASS Moscow, RU, URS	A	7695.0	7970.0	10985.0		
		E	6870.0	7615.0	8060.0	8140.0	10240.0
			10270.0	13920.0			
		F	7560.0	7787.0	9850.0		
	TELAM Buenos Aires, ARG	S	10893.5	13540.0			
	USIA New York, NY, USA	E	14638.0				
	VNA Hanoi, VTN	F	13462.0				
1915	XINHUA Beijing, CHN	E	7520.0	7650.0	7887.0	14367.0	
1930	TANJUG Belgrade, YUG	E	7658.0	7806.0	7996.0		
	Berne R, SUI	G	13080.0				
	XINHUA Beijing, CHN	E	14760.0				
2000	ADN Berlin, DDR	A	7555.0	13895.0	16325.0		
		E	5195.0	7950.5	8068.0	10543.0	16417.0
		S	9966.5	16403.0			
	AFP Paris, F	A	5839.6	8022.3			
		F	5841.0	8023.7			
	ANGOP Moscow, RU, URS	F	7525.0				
	ANSA Rome, I	F	8062.0	9052.5	10815.0	14630.5	
	AZAP Kinshasa, ZAI	F	10640.0				
	CETIKA Prague, TCH	F	8142.5				
	DyN Buenos Aires, ARG	S	11013.0				
	EPD/SID Frankfurt, D	G	140.3				
	GNA Manama, BHR	A	4042.0	14764.0			
	INA Baghdad, IRQ	A	14373.0				
	IRNA Tehran, IRN	E	7960.0	8050.0			
	KCNA Pyongyang, KRE	E	8020.0	12175.0			
		F	9395.0	11536.0			
	MENA Cairo, EGY	A	3571.0	5220.0	10150.0		
		E	13653.0				
		F	5275.0				

2000	NA Buenos Aires, ARG	S	10805.0					
	PAP Warsaw, POL	E	9391.0					
	PL Habana, CUB	E	14901.0	16348.0				
	TANJUG Belgrade, YUG	E	5240.0	7800.0	7996.0			
		SC	5450.0					
	TASS Moscow, RU, URS	A	7970.0	10985.0				
		E	5830.0	6870.0	8060.0	8140.0	9110.0	
			9145.0	9420.0	10240.0	10258.0	10270.0	
			14700.0					
		F	7560.0					
2030	TELAM Buenos Aires, ARG	S	7428.5	10893.5	13540.0			
	USIA New York, NY, USA	S	14638.0					
	IRNA Tehran, IRN	A	7960.0	8050.0				
2100	XINHUA Beijing, CHN	E	7520.0	7650.0				
	ADN Berlin, DDR	E	5195.0	7425.0	8068.0			
		S	9966.5	16417.0				
	AFP Paris, F	A	5839.6	8022.3				
		F	5841.0	8023.7				
	ATA Tirana, ALB	F	7850.0					
	CETeka Prague, TCH	E	9353.0					
	DIPLO Paris, F	F	13998.0					
	DyN Buenos Aires, ARG	S	11013.0					
	INA Baghdad, IRQ	A	5867.0					
	IRNA Tehran, IRN	A	7960.0	8050.0				
	MENA Cairo, EGY	A	3571.0	5220.0	10150.0			
		E	3356.0	5275.0				
	NA Buenos Aires, ARG	S	10805.0					
	PAP Warsaw, POL	E	6805.0					
	PL Habana, CUB	E	14901.0					
	Rügen R, DDR	G	4242.5	8608.5				
	TANJUG Belgrade, YUG	E	5240.0	7996.0				
	TASS Moscow, RU, URS	A	7970.0					
		E	7615.0	8030.0	8140.0	10270.0		
		F	7560.0	8060.0	10985.0			
	TELAM Buenos Aires, ARG	S	7428.5	10893.5	13515.0	13540.0		
	USIA New York, NY, USA	E	14638.0					
	VoA Greenville, NC, USA	E	11150.0					
	VoA Tanger, MRC	E	5460.0					
2130	KCNA Pyongyang, KRE	E	12175.0					
		F	9395.0	11430.0				
		E	5195.0	7425.0	8068.0	16417.0		
2200		S	5859.0	6990.0	7949.5			
	AFP Paris, F	F	5841.0					
	DyN Buenos Aires, ARG	S	4549.5	7954.5	11013.0			
	KCNA Pyongyang, KRE	E	12175.0					
		F	9395.0	11430.0				
	MENA Cairo, EGY	A	3571.0					
		E/F	5275.0					
	NA Buenos Aires, ARG	S	3840.0	10805.0				
	PL Habana, CUB	E	16348.0					
	TANJUG Belgrade, YUG	E	7658.0					
		F	7592.0					
	TASS Moscow, RU, URS	E	9110.0					
	TELAM Buenos Aires, ARG	S	4004.5	7428.5	10893.5	13515.0	13540.0	
	USIA New York, NY, USA	S	14638.0					
	VoA Bethany, OH, USA	E	10233.0	10234.3				
	VoA Greenville, NC, USA	E	18215.0					
	VoA Tanger, MRC	E	5460.0	13770.0				
2300	ADN Berlin, DDR	S	5859.0	6990.0				
	AFP Paris, F	A	5839.6	8022.3				
		F	5841.0	8023.7				
	DyN Buenos Aires, ARG	S	2749.5	4549.5	7954.5	11013.0		

2300	KCNA Pyongyang, KRE	F	9395.0	11430.0				
	MENA Cairo, EGY	A	10150.0					
		E	7610.0					
	NA Buenos Aires, ARG	S	3840.0	10805.0				
	TANJUG Belgrade, YUG	E	5240.0					
	TELAM Buenos Aires, ARG	S	3266.7	4004.5	7428.5	10893.5	13540.0	
	VoA Bethany, OH, USA	E	10233.0	10234.3				
	VoA Kavalla, GRC	E	6943.0					
	VoA La Union, Poro I., PHL	E	11477.0					
	VoA Monrovia, LBR	E	7442.5	7478.0	10880.0	13995.0		
	VoA Tanger, MRC	E	5460.0	9855.0	10972.0	12223.5	13770.0	
	XINHUA Beijing, CHN	E	7520.0	7650.0				
2330	KCNA Pyongyang, KRE	F	11475.0	13580.0				
	Moscow R, RU, URS	G	6499.0					

(continued from page 314)

ZAIRE

AZAP Kinshasa

10640.0 0730+1300+1400+1600+1700+1800+
1900+2000 F

X. Meteorological RTTY services in alphabetical order

Alphanumeric index of stations transmitting meteorological data. In addition, many air stations transmit meteorological bulletins.

Listed are

- country;
- name of the station;
- call sign and corresponding frequency (-ies).

Not listed are

- irregular meteorological bulletins transmitted by military stations;
- harmonic or spurious emissions.

AFGHANISTAN

Kabul Meteo YAV23-9051.7

ALGERIA

El Djaza'ir Meteo 7XA97-6983.7

ANTARCTIC

SAAM Molodezhnaya RUZU-9280.0

BRAZIL

BN Rio de Janeiro PWZ-12900.0+17122.0

BRITISH INDIAN OCEAN TERRITORY

USN Diego Garcia NKW-9209.8

BULGARIA

Sofia Meteo LZF8-3253.0 LZA8-4813.0 LZF9-5455.0 LZM7-6795.0
LZU2-11063.0

CANADA

CF Halifax, NS CFH-122.5+4271.0+6330.0+10536.0+13510.0

CHINA

Beijing Meteo BAA9-5180.5 BAF44-7350.0 BAA22-7815.0 BAA23-9193.0
BAA8-10320.0 BAF47-14340.0
Chengdu Meteo BLM66-3387.0+4794.3 BLM21-5844.0 BLM22-8190.0 BLM23-10470.0
Lanzhou Meteo BSB52-4905.0 BSB29-6985.0 BSB35-13361.0
Urumqi Meteo BZC75-5190.0+8039.0+11571.8
Wuhan Meteo BJZ25-4482.0 BJZ27-5315.0 BJZ20-6950.0 BJZ21-7863.0
BJZ23-10650.0

CONGO

Brazzaville Meteo TNL97-10137.0

CZECHOSLOVAKIA

Prague Meteo 3196.0 4336.0 6392.0

EGYPT

Cairo Meteo SUU-5559.0+7317.2+11014.0+14738.5+17634.0+18103.0

FRANCE

MOD Paris 'RFFA'-5396.6

Saint Lys R FFT31-6501.0 FFT41-8708.5 FFT61-13074.5 FFT81-17201.0
FFT91-22563.0

GERMAN DEMOCRATIC REPUBLIC

Potsdam Meteo 1757.0 2014.0 2458.2 4441.0 Y3I-7980.0

GERMANY (FEDERAL REPUBLIC OF)

Augsburg Meteo DDG73-5832.4

Freiburg Meteo DDG75-5832.4

Grenzel Meteo DHN37-1747.0 DHJ51-2691.0 DHN37-2822.0 DHJ51-3035.5+3043.5

DHN37-3073.5 DHJ51-3078.0+3166.5+4785.5 DHM44-4903.0

DHN37-4963.5 DHJ51-7946.5+9318.0+13526.0

Hamburg Meteo DDK2-4583.0 DDH7-7646.0 DDK8-11638.0

Konstanz Meteo DDG74-5832.4

München Meteo DDG71-5832.4

Regensburg Meteo DDG77-5832.4

Stuttgart Meteo DDG76-5832.4

INDIA

Delhi Meteo VVD56-6978.0 ATP57-7402.5 VVD57-7580.0 VVD62-12075.0

IN Bombay VVD65-14837.0 VVD69-19400.0

'RBSL'-8500.0

INDONESIA

Jakarta Meteo 8BB35-11500.0

IRAN

Tehran Meteo 9DM9-5343.5 9DM17-10685.5 9DM27-17552.0

ISRAEL

Tel Aviv Meteo 4XM2-3834.0 4XM4-13447.0

ALPHABETICAL METEO 3

ITALY

Rome Meteo IMB1-3172.5 IMB2-5887.5 IMB3-11453.0

JAPAN

Tokyo Meteo JMG4-14880.0 JMG5-19529.0

JORDAN

Amman Meteo JYN39-3762.5 JYN41-10965.0

KENYA

Nairobi Meteo 5YE-6952.0+7505.0+9041.0+10111.0+10383.0+11123.5+12313.0+
17363.0+17658.0

MADAGASCAR

Antananarivo Meteo 5ST28-4525.0 5ST41-7552.5 5ST83-17400.0

MALAYSIA

Kuala Lumpur Meteo 9MY63-18354.0

MARION ISLAND

Transvaal Cove Meteo ZRS-9348.0

MAURITIUS

Vacoas Meteo 3BT3-7693.0 3BT4-15955.0

PAKISTAN

Karachi Meteo ARA-5290.0

POLAND

Warsaw Meteo SOA211-111.3 SOA212-129.5 SOE349-4497.0 SOH299-7997.0

PORTUGAL

PN Lisbon CTW8-8526.5 'RPFNCF'-13002.5

REUNION

FF Le Port 'RFVI'-7895.0+13844.6

ROMANIA

Bucharest Meteo YRR5-3809.0 YRR2-4002.0 YOG37-5400.0 YRR1-5731.0

SAINT HELENA

Jamestown Meteo GHH-6824.0+17413.3+22777.5

SAUDI ARABIA

Jeddah Meteo HZN46-4570.0 HZN-5740.0 HZN47-7625.0 HZN48-10215.0
HZN-12245.0 HZN49-17590.0

SENEGAL

Dakar Meteo 6VY41-7585.0 6VU73-13665.0 6VU79-19747.5

SOUTH AFRICA (REPUBLIC OF)

Capetown R ZSC63-13093.0 ZSC64-17206.5
Pretoria Meteo ZR05-4017.5 ZR02-7512.0 ZR03-13777.0 ZR04-18241.8

SPAIN

SN Madrid '980QJ'-6447.0+8441.0+8447.0
SN Tarifa '960QZ'-4607.0

THAILAND

Bangkok Meteo HSW64-7395.0 HSW63-10169.0 HSW62-10298.0 HSW61-17521.0

TRISTAN DA CUNHA

Settlement of ZOE-9972.5
Edinburgh Meteo

TURKEY

Ankara Meteo YMA7-3550.0 YMA8-10424.0
Bandirma Meteo YMH5-4562.2

UNION OF SOVIET SOCIALIST REPUBLICS

Alma Ata Meteo, KA RXA71-3995.0 RWH79-10570.0
Arkhangelsk Meteo, RU RVZ73-3655.0 RSW71-5345.0 RGH77-7760.0
Irkutsk Meteo, SE RKR74-4560.0 RBT54-6970.0
Khabarovsk Meteo, SE RDW72-6830.0 RVL21-8085.0 RCR77-11520.0 RCR78-13803.0
Kiyev Meteo, UK RGC7.-3290.0 RGC72-4442.5 RGC70-6920.0
Kuybishev Meteo, RU RGJ61-3710.0 RGJ62-4530.0
Leningrad Meteo, RU RUU76-3300.0 RUU78-4900.0
Minsk Meteo, BY RSR71-3235.0 RST75-3810.0 RSR76-4005.0 RST76-7640.0
Moscow Meteo, RU 1651.5 RWZ72-3330.0 RWW74-5020.0 RWW73-5140.0 RBV75-7685.0
ROK24-7855.0 RDZ75-9190.0 RDD77-11450.0 RVW53-13530.0

ALPHABETICAL METEO 5

Novosibirsk Meteo, SW	ROF71-3590.0	RCU71-7715.0	ROQ3-7890.0	RTC26-15566.0
SAM Novyy Port, SW	UDY-7485.0			
Sverdlovsk Meteo, SW	RBV76-3170.0	RTQ78-9290.0		
Tashkent Meteo, UZ	RBV71-3750.0	RVM45-5430.0	RDG23-7315.0	RIJ75-8083.0
	RBX73-10130.0	ROM5-13947.0		
Tbilisi Meteo, GE	RDM73-4455.0	RDM78-5335.0		

UNITED KINGDOM

BA London	GXQ-4500.0+9147.0			
Bracknell Meteo	GFL26-4489.0	GFL22-6835.0	GFL23-9886.5	GFL24-14356.0
	GFL25-18230.0			
RAF London	MKK-9082.0	MKT-12152.0		
RN London	GYD-12115.0			
USAF Wolvey	AJE-5376.3+7568.0+9237.5	'CRO'-10532.9		

UNITED STATES OF AMERICA

Chatham R, MA	WCC-6504.5+8715.0+13081.5+17207.5
Galveston R, TX	KLC-8709.0
Mobile R, AL	WLO-4352.0+8707.0
USCG Boston, MA	NMF-8490.0+12750.0+13021.0
USCG Miami, FL	NMA-8457.0

VIET NAM

Hanoi Meteo	XVN-7512.0+7972.0
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XI. Meteorological FAX schedules in alphabetical order

Schedules of meteorological stations and other stations transmitting facsimile information, in alphabetical order.

Listed are

- country;
- name of the station;
- frequencies and call signs;
- schedule.

Not listed are

- harmonic or spurious emissions.

The schedules are given in the following order:

- transmission start time;
- plain text description; or abbreviated heading, consisting of
 - data designator t*t* (for decoding see chapter IV paragraph 3 in our AIR AND METEO CODE MANUAL);
 - geographical designator AA (for decoding see chapter IV paragraph 3 in our AIR AND METEO CODE MANUAL);
 - differentiation number ii (see chapter II paragraph 3 in our AIR AND METEO CODE MANUAL);
 - international four-letter location indicator CCCC of the station originating or compiling the bulletin (for decoding see chapter XI in our AIR AND METEO CODE MANUAL);
 - reference or observation time, or the validity time indicated either as a fixed time (e.g. VT1800) or as a function of the reference time (e.g. H+24);
- chart details like pressure levels etc.

Example 1: "0941 ASXX EGRR 0600" means "transmission start time 0941 UTC; surface analysis; no specific geographical designator appropriate; originating or compiling station Bracknell; reference time 0600 UTC".

Example 2: "0700 FUXN BABJ 1200 500 hPa (H+48)" means "transmission start time 0700 UTC; upper-air prognosis; Northern Hemisphere; originating or compiling station Peking (Beijing); reference time 1200 UTC; pressure level 500 hectopascal; validity time 48 hours".

Several stations give the chart identification number $cF_1F_2F_3F_4$ in one corner of the chart (examples see chapter XII in our GUIDE TO FACSIMILE STATIONS), consisting of

- bulletin classification indicator c (= 9 for pictorial information - see chapter IV paragraph 3 in our AIR AND METEO CODE MANUAL);
- chart originating centre indicator F_1F_2 (for decoding see chapter IV paragraph 3 in our AIR AND METEO CODE MANUAL);
- chart serial number F_3F_4 in the series of charts distributed by that centre.

Example: Chart identification number "94137" indicates "chart number 37 distributed by RMC/AFC Buenos Aires".

Note: These schedules are modified frequently. Completely revised and updated schedules will be published in the next edition of our GUIDE TO FACSIMILE STATIONS.

ALASKA

USCG Kodiak 4298.0 NOJ
8459.0 NOJ

- 120/576

0400 H+12/H+24 marine forecast summary, sea surface temperature, ice information, surface analysis (0000) Gulf of Alaska and Bering Sea
1000 surface prognosis, surface analysis (0600), 5-day marine weather outlook Gulf of Alaska and Bering Sea
1800 H+12/H+48 marine forecast summary, 5-day marine weather outlook, surface analysis (1200) Gulf of Alaska and Bering Sea
2200 surface prognosis, surface analysis (1800), ice information, wave prognosis and fisheries aid map Gulf of Alaska and Bering Sea

USN Adak 8494.0 NUD

(schedule see under USN Pearl Harbour, HWA)

ARGENTINA

Buenos Aires Meteo 5185.0 LRO 69
10720.0 LRB 72
18093.0 LRO 84

- 120/576

0400 ASAG SABM 0000
0450 AUAG SABM 0000 850 hPa
0510 AUAG SABM 0000 500 hPa
0610 AUAG SABM 0000 250 hPa
0710 AUAG SABM 0000 700 hPa
0810 AHAG SABM 0000 1000/500 hPa
1000 ARAG SABM 0600
1410 ARAG SABM 1200
1620 ASAG SABM 1200
1650 AUAG SABM 1200 500 hPa
1710 AUAG SABM 1200 850 hPa
1730 AUAG SABM 1200 tropopause and maximum wind
1750 AUAG SABM 1200 250 hPa
1810 AUAG SABM 1200 700 hPa
1910 FSAG SABM 1200
1930 FUAG SABM 1200 500 hPa
1950 FUAG SABM 1200 250 hPa
2010 FUAG SABM 1200 850/150 hPa, significant weather
2030 FUAG SABM 1200 700 hPa
2050 AHAG SABM 1200
with 1000/500 hPa precipitation data
2130 ARAG SABM 1800
2150 AWAG SABM 1200 state of sea

AUSTRALIA

Canberra Meteo, ACT 5100.0 AXM 32
11030.0 AXM 34
13920.0 AXM 35
19690.0 AXM 37

- 120/576

0000 FSOC AMMC 0000 (H+36)
0030 FSOC AMMC 0600
0045 FSOC AMMC 0000 (H+24)
0100 recommended frequencies for AXM reception
0115 AXM schedule
0200 ANOC AMMC 0000
0210 ASOC AMMC 0000
0300 AUOC AMMC 0000 500 hPa
0315 AUOC AMMC 0000 250 hPa
0330 FBAS AMMC 1800 (H+12)
0345 FBOC AMMC 1800 (H+12)
0400 FUOC AMMC 0000 500 hPa (H+24)
0415 FSOC AMMC 0000 (H+24)
0530 FUOC AMMC 0000 250 hPa
0545 AUOC AMMC 0000 maximum wind, tropopause
0605 AUXT ADDN 0000 gradient level wind analysis
0615 FBOC AMMC 1200
0645 reserved for charts
for Antarctic support summer season
0715 ASIO AMMC 0000
0730 FWOC AMMC 0000 wind waves
0745 FWOC AMMC 0000 swell (H+24)
0800 ASPS AMMC 0000
0815 ASOC AMMC 0600
0830 FUAS AMMC 0000 250 hPa (H+24)
0845 FUIO AMMC 0000 250 hPa (H+24)
0915 FBOC AMMC 0000 (H+12)
0930 FBAS AMMC 0000 (H+12)
0945 FUPS AMMC 1200 250 hPa (H+36)
1000 FUAS AMMC 0600 250 hPa (H+30)
1015 FUIO AMMC 0600 250 hPa (H+30)
1030 FUXS AMMC 0000 500 hPa (H+48)
1045 FSXS AMMC 0000 (H+48)
1100 ASXS AMMC 0000
1115 - AOXT ADDN weekly mean sea surface temperature (Tuesday)
- AOXX AMMC weekly sea temperature analysis of SE Australian waters (Tuesday)
- AIAA AMMC ice boundary (Saturday, during summer)
1130 FBOC AMMC 1800
1145 FWXS AMMC 1200 combined waves (H+36)
1230 AUXS AMMC 0000 500 hPa
1300 FSIO AMMC 1200 (H+36)
1345 reserved for charts
for Antarctic support summer season
1430 ASOC AMMC 1200
1500 AUOC AMMC 1200 500 hPa
1515 FSOC AMMC 1200 (H+24)
1530 FBAS AMMC 0600
1545 FBOC AMMC 0600
1600 FUOC AMMC 1200 500 hPa (H+24)
1615 FSOC AMMC 1200 (H+24)

1715 AUOC AMMC 1200 250 hPa
 1730 FUOC AMMC 1200 250 hPa (H+24)
 1745 AUCT ADDN 1200 gradient level wind analysis
 1830 FBOC AMMC 0000
 1845 FUPS AMMC 1800
 1915 ASIO AMMC 1200
 2000 ASPS AMMC 1200
 2015 ASOC AMMC 1800
 2030 FUAS AMMC 1200 250 hPa (H+24)
 2045 FUIO AMMC 1200 250 hPa (H+24)
 2115 FUIO AMMC 1800 250 hPa (H+24)
 2130 FBAS AMMC 1200
 2145 FBOC AMMC 1200
 2200 FUAS AMMC 1800 250 hPa (H+30)
 2215 ASXS AMMC 1200
 2230 FUPS AMMC 0000 250 hPa (H+36)
 2245 FUXS AMMC 0000 500 hPa (H+36)
 2300 FSXS AMMC 1200 (H+48)
 2330 AUXS AMMC 1200 500 hPa
 2345 FSIO AMMC 1200 (H+48)

Darwin Meteo, NT 5755.0 AXI 32
 7535.0 AXI 33
 10555.0 AXI 34
 15615.0 AXI 35
 18060.0 AXI 36

- 120/576

0020 recommended frequencies for AXI reception
 0030 AXI schedule
 0200 current warnings summary in plain language
 0330 FBAS AMMC 1800
 0605 AUCT ADDN 0000 gradient level wind analysis
 0700 ASXT ADDN 0000 MSL pressure analysis
 0800 AUCT ADDN 0000 500 hPa streamline
 0820 current warnings summary in plain language
 0830 FUAS AMMC 0000 250 hPa (H+24)
 0905 AUCT ADDN 0000 250 hPa streamline
 0930 FBAS AMMC 0000
 1000 FUAS AMMC 0600 250 hPa (H+30)
 1030 Copyright 1987 Klingenfuss Germany
 1045 AUCT ADDN 0000 700 hPa streamline
 1105 AOXD ADDN weekly mean sea surface temperature
 (Tuesday)
 1400 current warnings summary in plain language
 1530 FBAS AMMC 0600
 1745 AUCT ADDN 1200 gradient level wind analysis
 1945 AUCT ADDN 1200 500 hPa streamline
 2030 FUAS AMMC 1200 250 hPa (H+24)
 2045 current warnings summary in plain language
 2100 AUCT ADDN 1200 250 hPa streamline
 2130 FBAS AMMC 1200
 2200 FUAS AMMC 1800 250 hPa (H+24)
 2220 AUCT ADDN 1200 700 hPa streamline

USN Exmouth, WA 9498.5 NWC
 12675.5 NWC
 17062.0 NWC

(schedule see under USN Subic Bay, PHL)

BRAZIL

BN Rio de Janeiro 8291.0 PWZ
 12025.0 PWZ
 17140.0 PWZ

- 120/576

0336 sea surface temperature analysis
 0346 sea surface analysis
 1806 sea surface temperature analysis
 1816 sea surface analysis

BRITISH INDIAN OCEAN TERRITORY

USN Diego Garcia 8508.0 NKW
 10292.0 NKW
 12806.0 NKW
 20302.0 NKW

(schedule see under USN Subic Bay, PHL)

BULGARIA

Sofia Meteo 5092.5 LZJ 2

- 120/576

0415 ASEU LZSO 0000
 0435 ASEE LZSO 0300 (06 April - 25 September)
 0510 ASEE LZSO 0300 (26 September - 05 April)
 0550 AUEU LZSO 0000 850 hPa
 0615 AUEU LZSO 0000 700 hPa
 (06 April - 25 September)
 0715 AUEU LZSO 0000 700 hPa
 (26 September - 05 April)
 0735 ASEE LZSO 0600
 0800 test chart
 0950 ASEU LZSO 0600
 1030 ASEE LZSO 0900
 1330 ASEE LZSO 1200

CANADA

CF Halifax, NS 122.5 CFH
 4271.0 CFH
 6330.0 CFH
 10536.0 CFH
 13510.0 CFH

- 120/576

0001 significant weather depiction VT1200
 0014 ice chart
 0101 radar analysis 0000

0301 500 hPa analysis 0000
 0312 surface analysis 0000
 0401 wave analysis 0000
 0414 significant wave prognosis VT1200 (H+12)
 0427 850 hPa analysis 0000
 0501 isobaric prognosis VT0000 (H+24)
 0514 significant wave prognosis VT0000 (H+24)
 0601 significant weather depiction VT1800
 0614 significant wave prognosis VT1200 (H+36)
 0701 radar analysis 0600
 0801 isobaric prognosis VT1200 (H+36)
 0814 sea surface temperatures
 Newfoundland, Nova Scotia
 0901 surface analysis 0600
 1001 isobaric prognosis VT1200 (H+36)
 1014 - fleet broadcast schedule
 - test chart (Tuesday, Thursday, Saturday)
 1101 ice chart
 1201 significant weather depiction VT0000
 1301 ice chart
 1401 ice chart
 1421 radar analysis 1200
 1501 500 hPa analysis 1200
 1512 surface analysis 1200
 1601 wave analysis 1200
 1614 significant wave prognosis VT0000 (H+12)
 1627 850 hPa analysis 1200
 1701 isobaric prognosis VT1200 (H+24)
 1714 significant wave prognosis VT1200 (H+24)
 1801 significant weather depiction VT0600
 1814 significant wave prognosis VT0000 (H+36)
 1901 isobaric prognosis VT0000 (H+36)
 2001 radar analysis 1800
 2014 sea surface temperatures
 Newfoundland, Nova Scotia
 2120 surface analysis 1800
 2201 ice chart
 2301 ice chart

CF Vancouver, BC 4268.0 CKN
 6944.0 CKN
 12123.0 CKN

- 120/576
 0300 test chart
 0310 broadcast schedule
 0325 500 hPa analysis 0000
 0335 weather depiction prognosis VT0000 (H+30)
 (Monday - Friday)
 0340 surface analysis 0000
 1500 test chart
 1510 surface prognosis VT0000 (H+12)
 1525 surface prognosis VT1200 (H+30)
 1540 wave height prognosis VT0000 (H+24)
 1550 wave height prognosis VT1200 (H+30)
 1600 surface analysis 1200
 1615 sea surface temperature analysis
 (Tuesday, Friday)
 2115 test chart
 2125 surface prognosis VT1200 (H+24)
 2140 surface prognosis VT0000 (H+36)

2155 500 hPa analysis 1200
 2215 surface analysis 0000
 2220 weather depiction prognosis VT1200 (H+18)
 2225 wave height prognosis VT1200 (H+18)
 2235 wave height prognosis VT0000 (H+30)

Frobisher Bay Meteo, NWT 3253.0 VFF
 7710.0 VFF

- 120/576
 0952 ASAC 0600 surface analysis
 1006 FSAC surface prognosis (H+24)
 2000 STAC observed ice conditions
 2155 ASAC 1800 surface analysis
 2209 FSAC surface prognosis (H+24)
 2335 AIAC local ice conditions

CANARY ISLANDS

Las Palmas Meteo 13368.0 EDC 7

(schedule see under Madrid Meteo, Spain)

CHILE

CN Santiago 4766.0 CCS
 6418.0 CCS
 8594.0 CCS
 13525.0 CCS
 22071.0 CCS

- 120/576
 1130 ASCH SCSC 0600
 1920 AXCH SCSC 1200
 1940 ANCH SCSC 1200
 2310 ASCH SCSC 1800
 2330 FSCH SCSC 1800

CHINA

Beijing Meteo 5527.0 BAF 6
 8122.0 BAF 36
 10117.0 BAF 4
 14367.0 BAF 8
 16025.0 BAF 9
 18237.0 BAF 33

- 120/576
 0000 FXCI BABJ 1200 700 hPa T - Td (H+36)
 FXCI50 BABJ 1200
 12 - 36 h height changes (500 hPa)
 FXCI BABJ 1200 500/1000 hPa thickness (H+36)
 FXCI85 BABJ 1200 850 hPa temperature (H+36)

0020 FXAS BABJ 1200 500 hPa synoptic trend prognosis for the next dekad (10., 20. and at the end of each month) CUXN BABJ 1200 retransmission of 0920 (14. of each month)	1000 FSPW BABJ 0000 typhoon track forecast (unfixed issue of forecast according to typhoon development)
0040 AUAS70 BABJ 1200 retransmission of 2000	1020 test chart (Monday)
0100 AXCI BABJ 1200 700 hPa wind speed AXCI BABJ 1200 500/850 hPa Theta se AXCI85 BABJ 1200 850 hPa wind speed AXCI70 BABJ 1200 700 hPa Theta se	1027 programme amendments (Monday)
0120 AXCI70 BABJ 1200 700 hPa T - Td AXCI70 BABJ 1200 700 hPa vapour flux divergence AXCI BABJ 1200 500/1000 hPa thickness AXCI85 BABJ 1200 850 hPa temperature	1340 1200 typhoon warning (in clear English and Chinese) (in case of typhoon)
0140 0000 typhoon warning (in clear English and Chinese) (in case of typhoon)	1820 USAS BABJ 1200 850 hPa plotted data
0200 FSXN BABJ 1200 pressure (H+36) FSXN BABJ 1200 pressure (H+48)	1840 USAS BABJ 1200 700 hPa plotted data
0240 FSCI BABJ 0000 precipitation (H+24, H+48) (from 01 May to 30 September)	1900 USAS BABJ 1200 500 hPa plotted data
0300 CUXN BABJ 1200 500 hPa monthly mean vorticity anomaly (7. of each month)	1900 ASXX BABJ 1200 pressure
0320 USAS85 BABJ 0000 850 hPa plotted data	1940 1800 typhoon warning (in clear English and Chinese) (in case of typhoon)
0340 USAS70 BABJ 0000 700 hPa plotted data	2000 AUAS BABJ 1200 700 hPa
0400 USAS50 BABJ 0000 500 hPa plotted data	2020 AUXN BABJ 1200 100 hPa AUXN BABJ 1200 200 hPa
0420 FSAS BABJ 1800 pressure (H+48)	2040 AUXN BABJ 1200 300 hPa AUXN BABJ 1200 500 hPa
0440 ASAS BABJ 0000 pressure	2120 AUXN BABJ 1200 24-hour height changes (700 hPa) AUXN BABJ 1200 24-hour height changes (500 hPa)
0500 FUXN BABJ 1200 ECMWF 500 hPa (H+48) FUXN BABJ 1200 ECMWF 500 hPa (H+72)	2140 AXCI BABJ 1200 500 hPa vorticity AXCI BABJ 1200 700 hPa vapour flux AXCI BABJ 1200 700 hPa vertical P-velocity AXCI BABJ 1200 850 hPa vapour flux
0520 FUXN BABJ 1200 ECMWF 500 hPa (H+96) FUXN BABJ 1200 ECMWF 500 hPa (H+120)	2200 AXN BABJ 1200 24-hour pressure changes FUXN BABJ 1200 500 hPa (H+72) FUXN BABJ 1200 500 hPa (H+48) FUXN BABJ 1200 700 hPa (H+36)
0540 AUAS BABJ 0000 500 hPa	2240 FSPW BABJ 0000 typhoon track forecast (unfixed issue of forecast according to typhoon development)
0600 AUAS BABJ 0000 700 hPa	2300 FXCI50 BABJ 1200 500 hPa vorticity (H+36) FXCI50 BABJ 1200 500 hPa vorticity (H+48) FXCI70 BABJ 1200 700 hPa vertical P-velocity (H+36) FXCI70 BABJ 1200 700 hPa vertical P-velocity (H+48)
0620 AUAS BABJ 0000 850 hPa	2320 FXCI70 BABJ 1200 700 hPa vapour flux (H+36) FXCI70 BABJ 1200 700 hPa vapour flux (H+48) FXCI85 BABJ 1200 850 hPa vapour flux (H+36) FXCI70 BABJ 1200 700 hPa vapour flux divergence (H+48)
0640 CUXN BABJ 1200 500 hPa monthly mean ultra-long wave (7. of each month)	2340 FXCI70 BABJ 1200 700 hPa wind speed (H+36) FXCI BABJ 1200 500/850 hPa Theta se (H+36) FXCI85 BABJ 1200 850 hPa wind speed (H+36) FXCI70 BABJ 1200 700 hPa Theta se (H+36)
0700 CUXN BABJ 1200 500 hPa monthly mean spherical harmonic coefficient and mean kinetic energy (7. of each month)	
0720 AUCI BABJ 0000 700 hPa vertical P-velocity AUCI BABJ 0000 500 hPa vorticity FSCI BABJ 0000 precipitation (H+24) FSCI BABJ 0000 12 - 36 h precipitation	
0740 0600 typhoon warning (in clear English and Chinese) (in case of typhoon)	
0800 FUAS BABJ 1200 500 hPa height for the next month (24. of each month)	
0820 ASXT BABJ 0000 pressure	
0840 AXT BABJ 0000 200 hPa	
0900 CUXN BABJ 1200 500 hPa mean height of the preceding dekad (3., 13., 23. of each month) FXCI BABJ 1200 precipitation anomaly percentage for the next month (24. of each month)	Beijing R 8460.0 3SD 12830.0 3SD 16902.0 3SD 22338.0 3SD
0910 FUCI BABJ 1200 mean temperature anomaly for the next month (24. of each month)	- 60/288
0920 CUXN BABJ 1200 500 hPa mean height of the preceding month (3. of each month) CUXN BABJ 1200 500 hPa monthly mean circulation characteristic value and sea temperature (13. of each month)	0900 FVPN monthly mean sea surface temperature value forecast FAPN monthly mean sea surface temperature anomaly forecast
0940 CUXN BABJ 1200 500 hPa height anomaly of the preceding month (3. of each month)	0945 AWPW wave analysis FWPW wave forecast 1345 AWPW wave analysis FWPW wave forecast

CZECHOSLOVAKIA

Prague Meteo 106.8 OLT 3

- 120/576

1620 SDCZ OKPR 1600 up to 150 km

- 120/576

1730 METEOR satellite picture Europe 1700 with
temperature diagram and Czechoslovakia insert

2120 SDCZ OKPR 2100

2130 METEOR satellite picture Europe 2100 with
temperature diagram and Czechoslovakia insert

Prague Meteo 111.8 OLT 21

- 120/576

0010 SDCZ OKPR 0000 radar reports

- 90/576

0040 SMXX OKPR 0000 with plotted data

- 120/576

0110 SDCZ OKPR 0100 radar reports

0210 SDCZ OKPR 0200 radar reports

0310 SDCZ OKPR 0300 radar reports

- 90/576

0320 UXXX OKPR 0000
absolute topography 850/700/500/300 hPa

0340 SMXX OKPR 0300 with plotted data

0440 UXXX OKPR 0000 TEMP 11520, 11952

- 120/576

0500 FSXX OKPR 0000 (H+24)

0510 SDCZ OKPR 0500 radar reports

0540 ASXX OKPR 0000

0600 AUXX OKPR 0000 absolute topography 700 hPa,
relative topography 500/1000 hPa
(Monday - Saturday)

0610 SDCZ OKPR 0600 radar reports

- 90/576

0640 SMXX OKPR 0600 with plotted data

- 120/576

0710 SDCZ OKPR 0700 radar reports

0740 AUXX OKPR 0000 absolute topography 850 hPa
(Monday - Saturday)

- 90/576

0750 UXXX OKPR 0000 TEMP 11535, 11722

- 120/576

0810 SDCZ OKPR 0800 radar reports

- 90/576

0850 UXXX OKPR 0300 TEMP 11467, 11653

- 120/576

0910 SDCZ OKPR 0900 radar reports

- 90/576

0940 SMXX OKPR 0900 with plotted data

- 120/576

1010 SDCZ OKPR 1000 radar reports

1100 FSXX OKPR 0000 (H+48) (Monday - Friday)

1110 SDCZ OKPR 1100 radar reports

1130 FSXX OKPR 0000 (H+72) (Monday - Friday)

1140 ASXX OKPR 0600

1200 FSXX OKPR 0000 (H+96)

1210 SDCZ OKPR 1200 radar reports

1230 FSXX OKPR 0000 (H+120)

- 90/576

1240 SMXX OKPR 1200 with plotted data

- 120/576

1310 SDCZ OKPR 1300 radar reports

1410 SDCZ OKPR 1400 radar reports

- 90/576

1450 UXXX OKPR 0900 TEMP 11467, 11653

- 120/576

1510 SDCZ OKPR 1500 radar reports

1520 UXXX OKPR 1200
absolute topography 850/700/500/300 hPa

1530 Copyright 1987 Klingenfuss Publications
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- 90/576

1540 SMXX OKPR 1500 with plotted data

1640 UXXX OKPR 1200 TEMP 11520, 11952

1650 UXXX OKPR 1200 TEMP 11722, 11535

- 120/576

1710 SDCZ OKPR 1700 radar reports

1740 ASXX OKPR 1200

1800 AUXX OKPR 1200 absolute topography 700 hPa,
relative topography 500/1000 hPa
(Monday - Saturday)

1810 SDCZ OKPR 1800 radar reports

- 90/576

1840 SMXX OKPR 1800 with plotted data

- 120/576

1910 SDCZ OKPR 1900 radar reports

1940 AUXX OKPR 1200 absolute topography 850 hPa
(Monday - Saturday)

2010 SDCZ OKPR 2000 radar reports

2110 SDCZ OKPR 2100 radar reports

- 90/576

2140 SMXX OKPR 2100 with plotted data

- 120/576

2210 SDCZ OKPR 2200 radar reports

2310 SDCZ OKPR 2300 radar reports

DENMARK

Copenhagen Meteo	5850.0	OXT
	9360.0	OXT
	13855.0	OXT
	17510.0	OXT

- 120/576

0005 STGL EKMI ice chart

0030 STGL EKMI ice chart

0945 STGL EKMI ice chart

1010 STGL EKMI ice chart

1155 STGL EKMI ice chart

1220 STGL EKMI ice chart

1245 STGL EKMI ice chart

1310 STGL EKMI ice chart

1335 STGL EKMI ice chart

1805 STGL EKMI ice chart

1830 STGL EKMI ice chart

EGYPT

Cairo Meteo 4526.0 SUU
- 10123.0 SUU

- 120/576

0000 FSEG HECA VT0600
0020 ASEG HECA 1800
0340 FUEG HECA VT1200 500 hPa
0400 FUEG HECA VT1200 300 hPa
0420 FUEG HECA VT1200 200 hPa
0440 FBEG HECA VT1200
0500 FXEG HECA VT1200 tropopause, maximum wind
0520 FUEG HECA VT1200 700 hPa
0540 FUEG HECA VT1200 250 hPa
0600 FSEG HECA VT1200
0700 ASEG HECA 0000
0720 AUEG HECA 0000 700 hPa
0740 AUEG HECA 0000 500 hPa
0800 FBEG HECA 0000 300 hPa
0820 AUEG HECA 0000 250 hPa
0840 AUEG HECA 0000 200 hPa
0900 AUEG HECA 0000 tropopause, maximum wind
0920 AUEG HECA 0000 100 hPa
0940 FUEG HECA VT1800 500 hPa
1000 FUEG HECA VT1800 300 hPa
1020 FUEG HECA VT1800 200 hPa
1040 FBEG HECA VT1800
1100 FXEG HECA VT1800 tropopause, maximum wind
1120 FUEG HECA VT1800 700 hPa
1140 FUEG HECA VT1800 250 hPa
1200 FSEG HECA VT1800
1220 ASEG HECA 0600
1240 ANEG HECA
1540 FUEG HECA VT0000 500 hPa
1600 FUEG HECA VT0000 300 hPa
1620 FUEG HECA VT0000 200 hPa
1640 FBEG HECA VT0000
1700 FXEG HECA VT0000 tropopause, maximum wind
1720 FUEG HECA VT0000 700 hPa
1740 FUEG HECA VT0000 250 hPa
1800 FSEG HECA VT0000
1900 ASEG HECA 1200
1920 AUEG HECA 1200 700 hPa
1940 AUEG HECA 1200 500 hPa
2000 AUEG HECA 1200 300 hPa
2020 AUEG HECA 1200 250 hPa
2040 AUEG HECA 1200 200 hPa
2100 AUEG HECA 1200 tropopause, maximum wind
2120 AUEG HECA 1200 100 hPa
2140 FUEG HECA VT0600 500 hPa
2200 FUEG HECA VT0600 300 hPa
2220 FUEG HECA VT0600 200 hPa
2240 FBEG HECA VT0600
2300 FXEG HECA VT0600 tropopause, maximum wind
2320 FUEG HECA VT0600 700 hPa
2340 FUEG HECA VT0600 250 hPa

GERMANY (FEDERAL REPUBLIC OF)

GN FWC Glücksburg 3049.5 DHM 72

- 120/576

0200 TAF chart Denmark with E table (text)
0700 E wx 0500 (text)
0800 flight weather forecast North Sea VT 0900-1400

Grengel Meteo 2342.5 DHJ 51
3043.5 DHJ 51
3078.0 DHJ 51
4570.5 DHJ 51

- 120/576

0350 "C.T.F." chart
English Channel / North Sea area
0402 "SYNOP 03Z EDZX NR 9ZX62" Central Europe
0423 "GEOPOT 400 HPA 00Z+24H LFM ..
TEMP 400 HPA 00Z+24H LFM ...
DDOFF 400 HPA 00Z+24H LFM ...
FL240X EDZX NR 9ZX46" North Atlantic, Europe
0528 "TIEFFLUGWETTER-UEBERWACHUNG 05Z ...
EDZX NR 9ZY56" West Germany
0547 "MESOSCALE-VORHERSAGE EDZX NR 9ZY91" 0000
(H+12, H+24, H+36)
0700 "SYNOP 06Z EDZX NR 9ZX63"
West and Central Europe

- 120/288

0723 "EDZX 9ZX02 CTA ..0600Z" Central Europe

- 120/576

0733 "TIEFFLUGWETTER-UEBERWACHUNG 07Z ...
EDZX NR 9ZY58" West Germany
0754 "SEEGANGSVORHERSAGE ZEITLICHER VERLAUF
... 00Z + 24 H EDZX 9ZX91 HFSV"
for 9 North Sea positions
0816 6-panel "UPAIR 06Z EDZX NR 9ZX72"
300/400/500/700/850/1000 hPa Europe
0835 "TIEFFLUGWETTER-UEBERWACHUNG 08Z ...
EDZX NR 9ZY59" West Germany
0858 "SEEGANGSVORHERSAGE ANALYSE/PROGNOSE
... 00 Z + 00/24 H EDZX 9ZX92 HFSV" North Sea
0920 "SYNOP 06Z EDZX NR 9YY03" Red Sea area
1023 4-panel "UPAIR EDZX Germany NR 9YY04"
400/500/700/850 hPa Red Sea area
1035 "EDZX Nr. 9ZX51 RR-SUMMEN/RR-PROG"
Central Europe
1058 "EDZX NR 9ZX52 SCHNEEHOEHENKARTE" West Germany
1351 6-panel "EDZX NR 9ZX57 T. LOG P. ... 12Z"
pressure/temperature diagrams of stations
06260, 07147, 10410, 10330, 06447 and 11620(?)
1410 6-panel "EDZX NR 9ZX73 UPAIR 850/700/500/
400/300 hPa, 500/1000 hPa 12Z" Europe
1428 6-panel "EDZX NR 9ZX58 T. LOG P. ... 12Z"
pressure/temperature diagrams of stations
06610, 09548, 07645, 10868, 10739 and 11035
1449 6-panel "EDZX NR 9ZX59 T. LOG P. ... 12Z"
pressure/temperature diagrams of stations
06181, 02527, 10035, 01415, 03026 and 09184, or
03170, 02527, 10045, 01415, 03496 and 08184

- 120/288
 1600 surface prognosis map "EDZX Nr. 9ZX15"
 Northern Europe
 - 120/576
 1607 surface analysis map "SYNPO 15Z" Western Europe
 1625 CRPZ (=RAFC) Paris map FL250 Europe, Africa
 1639 "GEOPOT 400 HPA 12Z+24H LFM ...
 WINDS 400 HPA 12Z+24H LFM ...
 TEMP 400 HPA 12Z+24H LFM ...
 FL240X EDZX NR 9ZX48" North Atlantic, Europe
 1705 "EDZX Nr 9ZX15 C.T.F. ..0300-..0900"
 English Channel / North Sea area
 1750 "SEEGANGSVORHERSAGE ZEITLICHER VERLAUF
 ... 00Z + 24 H EDZX 9ZX93 HFSV"
 for 9 North Sea positions
 2015 6-panel "UPAIR 18Z EDZX NR 9ZX74"
 300/400/500/700/800/1000 hPa Europe
 2040 "TIEFFLUGWETTER-UEBERWACHUNG 20Z" West Germany
 2202 "SYNPO 21Z EDZX NR 9ZX68"
 West and Central Europe

Hamburg Meteo 3855.0 DDH 3
 7880.0 DDK 3
 13882.5 DDK 6

- 120/576
 0400 ASEU EDZW 0000 with plotted data
 0540 AUEU EDZW 0000 500 hPa
 0600 FSEU EDZW 0000 (H+24)
 FUEU EDZW 0000 500/1000 hPa (H+24)
 0611 ASEU EDZW 0000
 AUEU EDZW 0000 500/700/850 hPa
 FSEU EDZW 0000 (H+24, H+48, H+72)
 FUEU EDZW 0000 (H+24, H+48, H+72)
 0631 AUEU EDZW 0000 850 hPa
 FUEU EDZW 0000 850 hPa (H+24, H+48, H+72)
 0651 FSEU EDZW 0000 (H+96, H+120, H+144)
 FUEU EDZW 0000 500/700/850 hPa
 0711 ASEU EDZW 0000
 0731 FSEU EDZW 0000 (H+24)
 FUEU EDZW 0000 500/1000 hPa (H+24)
 0742 AUEU EDZW 0000 500 hPa
 0757 AUEU EDZW 0000 500 hPa
 0818 E/G navigational warnings 0803 (text)
 - 120/288
 0852 surface analysis North Sea - Norwegian Sea 0300
 0906 ice conditions chart NW Atlantic Ocean
 0920 sea surface temperature summary North Sea
 from 9 to 3 days before, from DHI
 - 120/576
 1000 ASEU EDZW 0600 with plotted data
 1020 Ozeanwetterbericht 0300 (text)
 1050 FSEU EDZW 0600 (H+24)
 1101 FSEU EDZW 0000 (H+48, H+72)
 1345 ice conditions chart Baltic Sea 0900
 1408 ASXN EDZW 0000 with plotted data
 1430 - schedule (Monday)
 - test chart (Thursday - Sunday)
 1520 wave prediction North Atlantic VT1200
 1541 ice conditions chart Baltic Sea 0900
 1557 ASEU EDZW 1200 with plotted data

1618 E/G navigational warning (text)
 1738 AUEU EDZW 1200 500 hPa
 1758 FSEU EDZW 1200 (H+24)
 FUEU EDZW 1200 500/1000 hPa (H+24)
 1810 ASEU EDZW 1200
 1841 AUEU EDZW 1200 850 hPa
 FUEU EDZW 1200 850 hPa (H+24, H+48, H+72)
 1942 ASEU EDZW 1200
 AUEU EDZW 1200 500/700/850 hPa
 FSEU EDZW 1200 (H+24, H+48, H+72)
 FUEU EDZW 1200 (H+24, H+48, H+72)
 2003 5-day mean sea surface temperature
 North Atlantic
 2042 ice conditions chart Baltic Sea 1500
 - 120/288
 2112 ASEU 1500 North Sea
 2126 ice conditions chart NW Atlantic Ocean
 - 120/576
 2140 wave prediction North Atlantic VT1200
 2201 ASEU EDZW 1800 with plotted data
 2221 Ozeanwetterbericht (text)
 2241 FSEU EDZW 1800 (H+24)

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- 120/576
 0000 FUXX EGLL 1200 NAT FL340 VT1200
 0012 FUXX EGLL 1200 NAT FL300 VT1200
 0024 FUXX EGLL 1200 NAT FL390 VT1200
 0036 FUXX EGLL 1200 NAT FL180 VT1200
 0055 FUEU20 EDZW 1200 EUR FL390 VT1200
 FUEU30 EDZW 1200 EUR FL300 VT1200
 0117 FUEU25 EDZW 1200 EUR FL340 VT1200
 0129 FUEU40 EDZW 1200 EUR FL240 VT1200
 FUEU50 EDZW 1200 EUR FL180 VT1200
 0151 FUEU70 EDZW 1200 EUR FL100 VT1200
 FUEU85 EDZW 1200 EUR FL50 VT1200
 0224 FBXX EGLL NAT FL 250-150 VT1200
 tropopause, maximum wind
 0236 FBXX EDZW MID FL 250-450 VT1200
 tropopause, maximum wind
 0248 FBUE EDZW EUR FL 100-450 VT1200
 tropopause, maximum wind
 0301 FUAF LFPW 1200 FL300 VT1200
 0313 FUAF LFPW 1200 FL390 VT1200
 0325 FBAF LFPW 1200 VT1200
 0507 UXEU3 EDZW 0000 TEMP, RAWIN
 (Stüve diagram up to 225 hPa)
 0530 FUXX20 EDZW 0000 MID FL390 VT1800
 FUXX30 EDZW 0000 MID FL300 VT1800
 FUXX40 EDZW 0000 MID FL250 VT1800
 0552 FUXX25 EDZW 0000 MID FL340 VT1800
 0606 FUXX EGLL 0000 NAT FL340 VT1800
 0618 FUXX EGLL 0000 NAT FL300 VT1800
 0630 FUXX EGLL 0000 NAT FL390 VT1800
 0642 FUXX EGLL 0000 NAT FL180 VT1800
 0655 FUEU20 EDZW 0000 EUR FL390 VT1800
 FUEU30 EDZW 0000 EUR FL300 VT1800
 0717 FUEU25 EDZW 0000 EUR FL340 VT1800
 0729 FUEU40 EDZW 0000 EUR FL240 VT1800
 FUEU50 EDZW 0000 EUR FL180 VT1800

0751 FUEU70 EDZW 0000 EUR FL100 VT1800
FUEU85 EDZW 0000 EUR FL50 VT1800

0813 test chart

0824 FBXX EGLL NAT FL 250-450 VT1800
tropopause, maximum wind

0836 FBXX EDZW MID FL 250-450 VT1800
tropopause, maximum wind

0848 FBEU EDZW EUR FL 100-450 VT1800
tropopause, maximum wind

0901 USEU EDZW 0000 tropopause,
maximum wind with plotted data

0921 UXEU EDZW 0300 or 0600
TEMP, RAWIN - selected ascents

0941 FUXX LFPW 0000 EURSAM FL340 VT1800

0953 FUXX LFPW 0000 EURSAM FL300 VT1800

1005 FBXX LFPW 0000 EURSAM VT1800

1125 FUXX20 EDZW 0000 MID FL390 VT0000
FUXX30 EDZW 0000 MID FL300 VT0000

1147 FUXX25 EDZW 0000 MID FL340 VT0000

1200 FUXX EGLL 0000 NAT FL340 VT0000

1212 FUXX EGLL 0000 NAT FL300 VT0000

1224 FUXX EGLL 0000 NAT FL390 VT0000

1236 FUXX EGLL 0000 NAT FL180 VT0000

1255 FUEU20 EDZW 0000 EUR FL390 VT0000
FUEU30 EDZW 0000 EUR FL300 VT0000

1317 FUEU25 EDZW 0000 EUR FL340 VT0000

1329 FUEU40 EDZW 0000 EUR FL240 VT0000
FUEU50 EDZW 0000 EUR FL180 VT0000

1351 FUEU70 EDZW 0000 EUR FL100 VT0000
FUEU85 EDZW 0000 EUR FL50 VT0000

1424 FBXX EGLL NAT FL 250-450 VT0000
tropopause, maximum wind

1436 FBXX EDZW MID FL 250-450 VT0000
tropopause, maximum wind

1448 FBEU EDZW EUR FL 100-450 VT0000
tropopause, maximum wind

1501 FUXX LFPW 0000 EURSAM FL340 VT0000

1513 FUXX LFPW 0000 EURSAM FL300 VT0000

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Publications Tuebingen FRG

1525 FBXX LFPW 0000 EURSAM VT0000

1707 UXEU3 EDZW 1200 TEMP, RAWIN
(Stüve diagram up to 225 hPa)

1730 FUXX20 EDZW 1200 MID FL390 VT0600
FUXX30 EDZW 1200 MID FL300 VT0600

1752 FUXX25 EDZW 1200 MID FL340 VT0600

1855 FUEU20 EDZW 1200 EUR FL390 VT0600
FUEU30 EDZW 1200 EUR FL300 VT0600

1917 FUEU25 EDZW 1200 EUR FL340 VT0600

1929 FUEU40 EDZW 1200 EUR FL240 VT0600
FUEU50 EDZW 1200 EUR FL180 VT0600

1951 FUEU70 EDZW 1200 EUR FL100 VT0600
FUEU85 EDZW 1200 EUR FL50 VT0600

2014 USEU EDZW 1200 tropopause,
maximum wind with plotted data

2036 FBXX EDZW MID FL 250-450 VT0600
tropopause, maximum wind

2048 FBEU EDZW EUR FL 100-450 VT0600
tropopause, maximum wind

2325 FUXX20 EDZW 1200 MID FL390 VT1200
FUXX30 EDZW 1200 MID FL300 VT1200

2347 FUXX25 EDZW 1200 MID FL340 VT1200

Offenbach Meteo 134.2 DCF 54

- 120/576

0103 METEOSAT-infrared-channel-image Europe 0000

0122 SMEU EDZW 0000 plotted data

0144 METEOSAT-infrared-channel-image full disk 0000

0200 experimental transmission

- 240/576

0230 UXEU1 EDZW 0000 TEMP, RAWIN
(Stüve diagram up to 225 hPa)

0241 UXEU2 EDZW 0000 TEMP, RAWIN
(Stüve diagram up to 225 hPa)

- 120/576

0252 USEU EDZW 0000 plotted data
850/700/500/400/300/200 hPa

0315 METEOSAT-infrared-channel-image Europe 0230

0340 AUEU EDZW 0000 relative topography,
500/1000 hPa with plotted data
FXEU EDZW 0000 prognosis (H+12)
stability field (K0) and vertical motion

0349 AUEU/AUEU/FSEU/FUEU EDZW 0000 analysis, prognos-
is (H+24) 500 hPa contour lines (gdam), 700
hPa relative humidity, 850 hPa isotherms (°C),
surface MSL pressure (hPa) (BKF)

0400 ASEU EDZW 0000 with plotted data

0420 SIEU EDZW 0300 plotted data

- 240/576

0440 AXEU EDZW 0000 analysis, prognosis (H+24)
AHEU EDZW 0000 vorticity advection
FXEU EDZW 0000 500 hPa, thickness
FHEU EDZW 0000 advection 500/1000 hPa (BKF)

0451 UXEU4 EDZW 0000 TEMP, RAWIN
(Stüve diagram up to 225 hPa)

- 120/576

0457 AUEU EDZW 0000 500 hPa, with plotted data

0517 FSEU EDZW 0000 (H+24)
FUEU EDZW 0000 (H+24) 500/1000 hPa (BKF)

0528 AUEU EDZW 0000 300 hPa, with plotted data

0548 AUEU EDZW 0000 850/700 hPa, with plotted data

- 240/576

0608 AUEU EDZW 0000 850 hPa contour lines (gdam),
isotherms (°C)
FUEU EDZW 0000 (H+24, H+48, H+72)
850 hPa contour lines (gdam),
isotherms (°C) (BKF)

0619 AUEU EDZW 0000 500 hPa contour lines (gdam),
isotherms (°C)
FUEU EDZW 0000 (H+24, H+48, H+72) 500 hPa
contour lines (gdam), isotherms (°C) (BKF)

0630 FUEU EDZW 0000 (H+24) 700/300/200/100 hPa
contour lines (gdam), isotherms (°C) (BKF)

- 120/576

0643 METEOSAT-infrared-channel-image Europe 0600

0701 AUEU EDZW 0000 200 hPa, with plotted data

0721 SMEU EDZW 0600 plotted data

0741 FSEU/FUEU EDZW 0000 (H+12, H+30, H+60, H+84)
500 hPa contour lines (gdam), isotherms (°C),
surface MSL pressure (hPa), 850 hPa isotherms
(°C), 700 hPa relative humidity (BKF)

0801 FSEU EDZW 0000 24-hour amount of precipitation
(H+24, H+48) (BKN), (H+72) (BKF)

- 0810 FSEU/FUEU EDZW 0000 (H+96, H+120, H+144)
500 hPa contour lines (gpdam),
isotherms (°C), surface MSL pressure (hPa),
850 hPa isotherms (°C) (BKF)
- 0828 USEU EDZW 0600 plotted data
850/700/500/400/300/200 hPa
- 0848 SMEU EDZW extremes of temperature 0600 UTC
(day before) to 0600 UTC, maximum temperature
(°C) 0600 UTC to 1800 UTC (day before),
minimum temperature (°C) 1800 UTC (day before)
to 0600 UTC
SMDL EDZW extremes of temperature and
amount of precipitation of previous 24 hours
- 0904 agrometeorological transmission No. 1
- 0917 AUXN EDZW 0000 300 hPa, with plotted data
- 0942 METEOSAT-infrared-channel-image Europe 0900, or
METEOSAT-visual-channel-image Europe 0830
(14 February to 15 November)
- 1000 ASEU EDZW 0600 with plotted data
- 1020 SIEU EDZW 0900 plotted data
- 240/576
- 1040 test chart or
- 120/576
- AXDL EDZW thermopluviogram
(10. of each month, or on the 12.
if the 10. is a Sunday or Monday)
- 1050 FSEU EDZW 0600 (H+24)
FSEU EDZW 0600 12-hour amount of precipitation
(mm) (BKN)
- 1101 FSEU EDZW 0000 (H+48, H+72)
- 1112 FUXK KWBC 0000 500 hPa (H+48)
- 1125 FUXK KWBC 0000 500 hPa (H+72)
- 1138 agrometeorological transmission No. 2 or
SMEU EDZW heights of snow (Tuesday and Friday
in winter; height of snow cover in cm)
- 1151 FSEU EDZW 0600
chart (H+24) provided to press agencies
- 1200 experimental transmission
- 1225 METEOSAT-visual-channel-image Europe 1030
- 1244 METEOSAT-infrared-channel-image Europe 1200
- 1300 METEOSAT-visual-channel-image Europe 1200
- 1319 SMEU EDZW 1200 plotted data
- 1340 experimental transmission
- 1408 ASXN EDZW 0000 with plotted data
- 240/576
- 1430 UXEU1 EDZW 1200 TEMP, RAWIN
(Stüve diagram up to 225 hPa)
- 1441 UXEU2 EDZW 1200 TEMP, RAWIN
(Stüve diagram up to 225 hPa)
- 120/576
- 1452 USEU EDZW 1200 plotted data
850/700/500/400/300/200 hPa
- 240/576
- 1512 UXEU4 EDZW 1200 TEMP, RAWIN
(Stüve diagram up to 225 hPa)
- 120/576
- 1518 FUEU EDZW 1200 trajectories 950, 850, 700 hPa
- 1539 METEOSAT-infrared-channel-image Europe 1500
- 1557 ASEU EDZW 1200 with plotted data
- 1617 SIEU EDZW 1500 plotted data
- 1637 AUEU EDZW 1200 relative topography,
500/1000 hPa with plotted data
FXEU EDZW 1200 prognosis (H+12)
stability field (KO) and vertical motion
- 240/576
- 1646 AXEU EDZW 1200 analysis, prognosis (H+24)
AHEU EDZW 1200 vorticity advection
FXEU EDZW 1200 500 hPa thickness
FHEU EDZW 1200 advection 500/1000 hPa (BKF)
- 120/576
- 1657 AUEU EDZW 1200 500 hPa, with plotted data
- 1717 FSEU EDZW 1200 (H+24)
FUEU EDZW 1200 (H+24) 500/1000 hPa (BKF)
- 1728 AUEU EDZW 1200 300 hPa, with plotted data
- 1748 AUEU EDZW 1200 850/700 hPa, with plotted data
- 240/576
- 1808 FUEU EDZW 1200 700/300/200/100 hPa (H+24)
contour lines (gpdam), isotherms (°C) (BKF)
- 1819 AUEU EDZW 1200 500 hPa contour lines (gpdam),
isotherms (°C)
FUEU EDZW 1200 (H+24, H+48, H+72) 500 hPa
contour lines (gpdam), isotherms (°C) (BKF)
- 1830 AUEU EDZW 1200 850 hPa contour lines (gpdam),
isotherms (°C)
FUEU EDZW 1200 (H+24, H+48, H+72) 850 hPa
contour lines (gpdam), isotherms (°C) (BKF)
- 120/576
- 1843 METEOSAT-infrared-channel-image Europe 1800
- 1901 AUEU EDZW 1200 200 hPa, with plotted data
- 1921 SMEU EDZW 1800 plotted data
- 1941 FSEU/FUEU EDZW 1200 (H+24, H+48, H+72, H+96)
500 hPa contour lines (gpdam), isotherms (°C),
surface MSL pressure (hPa), 850 hPa isotherms
(°C), 700 hPa relative humidity (BKF)
- 2003 CSNT EDZW 5-day mean of water temperature
(Tuesday and Friday)
- 2021 USEU EDZW 1800 plotted data
850/700/500/400/300/200 hPa
- 2117 SMEU EDZW 1800 plotted data
- 2143 METEOSAT-infrared-channel-image Europe 2100
- 2201 ASEU EDZW 1800 with plotted data
- 2221 SIEU EDZW 2100 plotted data
- 2241 FSEU EDZW 1800 (H+24)
FSEU EDZW 1800 12-hour amount of precipitation
(mm) (BKN)
- Note: The stability field KO (isolines in °C)
represents a smoothed vertical gradient
of the potential equivalent:
KO less than zero: potentially unstable
KO equal to zero: indifferent
KO more than zero: stable

GREECE

USN Kato Soli 4053.5 NGR
 5785.0 NGR
 7453.0 NGR
 8506.0 NGR
 8640.0 NGR
 9255.0 NGR
 12759.0 NGR
 20470.0 NGR

~ 120/576
 0000 CP FAX schedule part 1
 0014 CP FAX schedule part 2
 0028 CP NOGAPS 4-panel:
 freezing level analysis VT1200;
 freezing level prognosis VT0000 (H+36);
 GG Theta analysis VT1200;
 GG Theta prognosis VT0000 (H+36)
 0042 CP NOGAPS Mideast
 surface pressure/wind analysis VT1200
 0056 CP NOGAPS Mideast
 surface pressure/wind prognosis VT1200 (H+24)
 0110 CP NOGAPS Mideast
 500 hPa height/temperature/wind analysis VT1200
 0124 CP NOGAPS Mideast 500 hPa
 height/temperature/wind prognosis VT1200 (H+24)
 0138 CP NOGAPS Mideast 300 hPa
 height/temperature/wind prognosis VT1200 (H+24)
 0152 open period
 0206 CP NOGAPS 4-panel:
 500 hPa SD/SR analysis VT1200;
 500 hPa SD/SR prognosis VT1200 (H+24);
 500 hPa SD/SR prognosis VT1200 (H+48);
 500 hPa SD/SR prognosis VT1200 (H+72)
 0220 CP NMC 4-panel:
 500 hPa height analysis VT1200;
 500 hPa height prognosis VT1200 (H+24);
 500 hPa height prognosis VT1200 (H+36);
 500 hPa height prognosis VT1200 (H+48)
 0234 FSP test chart
 0248 FSP FSME LERT retransmission VT0000
 0302 FSP NOAA satellite picture
 0316 CP NOGAPS
 surface pressure preliminary analysis VT0000
 0330 CP NOGAPS West Mediterranean
 sea surface temperature analysis VT0000
 0344 CP NOGAPS East Mediterranean
 sea surface temperature analysis VT0000
 0358 CP NORAPS surface pressure analysis VT0000
 0412 CP NORAPS 500 hPa analysis VT0000
 0426 CP NORAPS
 surface pressure prognosis VT0000 (H+36)
 0440 CP NORAPS 500 hPa prognosis VT0000 (H+36)
 0454 CP NORAPS 4-panel:
 surface pressure prognosis (H+12);
 surface pressure prognosis (H+24);
 500 hPa height prognosis (H+24);
 500 hPa height prognosis (H+24)
 0508 CP NOGAPS
 surface pressure analysis VT0000 (final)

0522 CP NOGAPS
 500 hPa height/temperature/wind analysis VT0000
 0536 CP NOGAPS
 850 hPa height/temperature/wind analysis VT0000
 0550 CP NOGAPS
 300 hPa height/istch/wind analysis VT0000
 0604 CP NOGAPS
 400 hPa height/temperature/wind analysis VT0000
 0618 CP NOGAPS
 925 hPa height/temperature/wind analysis VT0000
 0632 CP NOGAPS
 700 hPa height/temperature/wind analysis VT0000
 0646 CP NOGAPS
 200 hPa height/temperature/wind analysis VT0000
 0700 CP NOGAPS
 surface pressure/wind prognosis VT0000 (H+24)
 0714 CP NOGAPS 500 hPa
 height/temperature/wind prognosis VT0000 (H+24)
 0728 CP NOGAPS 850 hPa
 height/temperature/wind prognosis VT0000 (H+24)
 0742 CP NOGAPS 300 hPa
 height/istch/wind prognosis VT0000 (H+24)
 0756 CP NOGAPS 400 hPa
 height/temperature/wind prognosis VT0000 (H+24)
 0810 CP NOGAPS 925 hPa
 height/temperature/wind prognosis VT0000 (H+24)
 0824 CP NOGAPS 700 hPa
 height/temperature/wind prognosis VT0000 (H+24)
 0838 CP NOGAPS 300 hPa
 height/temperature/wind prognosis VT0000 (H+24)
 0852 CP NOGAPS 4-panel:
 500/1000 hPa thickness analysis VT0000;
 500/1000 hPa thickness prognosis VT0000 (H+12);
 500/1000 hPa thickness prognosis VT0000 (H+36);
 500/1000 hPa height/temperature/wind
 prognosis VT0000 (H+120)
 0906 CP NOGAPS 4-panel:
 surface pressure/wind analysis VT1200;
 surface pressure/wind prognosis VT1200 (H+36);
 500 hPa
 height/temperature/wind analysis VT1200;
 500 hPa height/temperature/wind
 prognosis VT1200 (H+36)
 0920 CP NOGAPS
 surface pressure preliminary analysis VT0600
 0934 CP NOGAPS
 surface pressure/wind prognosis VT1200 (H+36)
 0948 CP NOGAPS 850 hPa
 height/temperature/wind prognosis VT1200 (H+36)
 1002 FSP FSME LERT
 surface pressure/wind prognosis VT1200 (H+36)
 1016 CP NOGAPS 500 hPa
 height/temperature/wind prognosis VT1200 (H+36)
 1030 CP NOGAPS
 surface pressure/wind prognosis VT0000 (H+48)
 1044 CP NOGAPS 500 hPa
 height/temperature/wind prognosis VT0000 (H+48)
 1058 CP NOGAPS
 surface pressure/wind prognosis VT0000 (H+72)
 1112 FSP NOAA or METEOSAT pictures
 1132 FSP SOME LERT significant wave height
 prognosis VT1200 (H+36)

- 1146 NOGAPS 4-panel:
 850 hPa height/temperature/wind prognosis
 VT0000 (H+48);
 500 hPa height prognosis VT0000 (H+72);
 850 hPa height prognosis VT0000 (H+72);
 700 hPa height prognosis VT0000 (H+36/48)
- 1200 CP FAX schedule part 1
- 1214 CP FAX schedule part 2
- 1228 CP NOGAPS 4-panel:
 freezing level analysis VT0000;
 freezing level prognosis VT1200 (H+36);
 GG Theta analysis VT0000;
 GG Theta prognosis VT1200 (H+36)
- 1242 CP NOGAPS Mideast
 surface pressure/wind analysis VT0000
- 1256 CP NOGAPS Mideast
 surface pressure/wind prognosis VT0000 (H+24)
- 1310 CP NOGAPS Mideast
 500 hPa height/temperature/wind analysis VT0000
- 1324 CP NOGAPS Mideast 500 hPa
 height/temperature/wind prognosis VT0000 (H+24)
- 1338 CP NOGAPS Mideast 300 hPa
 height/temperature/wind prognosis VT0000 (H+24)
- 1352 open period
- 1406 CP NOGAPS 4-panel:
 500 hPa SD/SR analysis VT0000;
 500 hPa SD/SR prognosis VT0000 (H+24);
 500 hPa SD/SR prognosis VT0000 (H+48);
 500 hPa SD/SR prognosis VT0000 (H+72)
- 1420 CP NMC 4-panel:
 500 hPa height analysis VT0000;
 500 hPa height prognosis VT0000 (H+24);
 500 hPa height prognosis VT0000 (H+36);
 500 hPa height prognosis VT0000 (H+48)
- 1434 FSP test chart
- 1448 FSP FSME LERT retransmission VT1200
- 1502 FSP NOAA satellite picture
- 1516 CP NOGAPS
 surface pressure preliminary analysis VT1200
- 1530 open period
- 1558 CP NORAPS surface pressure analysis VT1200
- 1612 CP NORAPS 500 hPa analysis VT1200
- 1626 CP NORAPS
 surface pressure prognosis VT1200 (H+36)
- 1640 CP NORAPS 500 hPa prognosis VT1200 (H+36)
- 1654 CP NORAPS 4-panel:
 surface pressure prognosis (H+12);
 surface pressure prognosis (H+24);
 500 hPa height prognosis (H+24);
 500 hPa height prognosis (H+24)
- 1708 CP NOGAPS
 surface pressure analysis VT1200 (final)
- 1722 CP NOGAPS
 500 hPa height/temperature/wind analysis VT1200
- 1736 CP NOGAPS
 850 hPa height/temperature/wind analysis VT1200
- 1750 CP NOGAPS
 300 hPa height/istch/wind analysis VT1200
- 1804 CP NOGAPS
 400 hPa height/temperature/wind analysis VT1200
- 1818 CP NOGAPS
 925 hPa height/temperature/wind analysis VT1200
- 1832 CP NOGAPS
 700 hPa height/temperature/wind analysis VT1200
- 1846 CP NOGAPS
 200 hPa height/temperature/wind analysis VT1200
- 1900 CP NOGAPS
 surface pressure/wind prognosis VT1200 (H+24)
- 1914 CP NOGAPS 500 hPa
 height/temperature/wind prognosis VT1200 (H+24)
- 1928 CP NOGAPS 850 hPa
 height/temperature/wind prognosis VT1200 (H+24)
- 1942 CP NOGAPS 300 hPa
 height/istch/wind prognosis VT1200 (H+24)
- 1956 CP NOGAPS 400 hPa
 height/temperature/wind prognosis VT1200 (H+24)
- 2010 CP NOGAPS 925 hPa
 height/temperature/wind prognosis VT1200 (H+24)
- 2024 CP NOGAPS 700 hPa
 height/temperature/wind prognosis VT1200 (H+24)
- 2038 CP NOGAPS 200 hPa
 height/temperature/wind prognosis VT1200 (H+24)
- 2052 CP NOGAPS 4-panel:
 500/1000 hPa thickness analysis VT1200;
 500/1000 hPa thickness prognosis VT1200 (H+12);
 500/1000 hPa thickness prognosis VT1200 (H+36);
 500/1000 hPa height/temperature/wind
 prognosis VT1200 (H+120)
- 2106 CP NOGAPS 4-panel:
 surface pressure/wind analysis VT0000;
 surface pressure/wind prognosis VT0000 (H+36);
 500 hPa
 height/temperature/wind analysis VT0000;
 500 hPa height/temperature/wind
 prognosis VT0000 (H+36)
- 2120 CP NOGAPS
 surface pressure preliminary analysis VT1800
- 2134 CP NOGAPS
 surface pressure/wind prognosis VT0000 (H+36)
- 2148 CP NOGAPS 850 hPa
 height/temperature/wind prognosis VT0000 (H+36)
- 2202 FSP FSME LERT
 surface pressure/wind prognosis VT0000 (H+36)
- 2216 CP NOGAPS 500 hPa
 height/temperature/wind prognosis VT0000 (H+36)
- 2230 CP NOGAPS
 surface pressure/wind prognosis VT1200 (H+48)
- 2244 CP NOGAPS 500 hPa
 height/temperature/wind prognosis VT1200 (H+48)
- 2258 CP NOGAPS
 surface pressure/wind prognosis VT1200 (H+72)
- 2312 FSP NOAA or METEOSAT pictures
- 2332 FSP SOME LERT significant wave height
 prognosis VT0000 (H+36)
- 2346 NOGAPS 4-panel:
 850 hPa height/temperature/wind prognosis
 VT1200 (H+48);
 500 hPa height prognosis VT1200 (H+72);
 850 hPa height prognosis VT1200 (H+72);
 700 hPa height prognosis VT1200 (H+36/48)

HAWAII

Honolulu Meteo 5037.5 KVM 70
 7770.0 KVM 70
 9982.5 KVM 70
 11090.0 KVM 70
 13627.5 KVM 70
 16135.0 KVM 70
 22331.5 KVM 70

- 120/576

0001 wind and temperature prognosis VT1200 FL100
 0008 wind and temperature prognosis VT1200 FL340
 0014 wind and temperature prognosis VT1200 FL180
 0021 wind and temperature prognosis VT1200 FL50
 0028 significant weather prognosis
 VT1200 400 - 150 hPa
 0203 significant weather prognosis
 VT1200 400 - 70 hPa
 0251 500 hPa prognosis (H+72)
 surface prognosis (H+72, H+96, H+120)
 0318 preliminary surface analysis
 0354 significant weather prognosis
 VT1200 400 - 150 hPa
 0533 0000 tropical surface analysis
 0540 upper-air analysis 250 hPa
 0548 0000 Pacific Atoll analysis
 0601 0000 upper-air analysis 700 hPa
 0611 0000 upper-air analysis 200 hPa
 0622 0000 upper-air analysis 500 hPa
 0632 shear/thickness VT0000
 0706 upper-air prognosis 500 hPa,
 heights and vorticity initially (H+12)
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 0720 wind and temperature prognosis VT1800 FL340
 0728 wind and temperature prognosis VT1800 FL340
 0733 wind and temperature prognosis VT1800 FL450
 0741 wind and temperature prognosis VT1800 FL450
 0746 wind and temperature prognosis VT1800 FL240
 0753 wind and temperature prognosis VT1800 FL100
 0800 wind and temperature prognosis VT1800 FL340
 0809 0000 analysis, 500 hPa height, vorticity
 0815 0000 analysis,
 700 hPa height, relative humidity
 0820 0000 analysis, 850 hPa height, temperature
 0826 0000 MSL pressure analysis
 0833 significant weather prognosis
 VT1800 400 - 150 hPa
 0838 upper-air prognosis 500 hPa,
 heights and vorticity (H+36, H+48)
 0854 wind and temperature prognosis 1800 FL180
 0901 wind and temperature prognosis 1800 FL50
 0908 prognosis,
 700 hPa height, relative humidity (H+12)
 0913 0600 preliminary surface analysis
 0922 upper-air prognosis 500 hPa,
 heights and vorticity (H+24)
 0928 prognosis,
 700 hPa height, relative humidity (H+24)
 0933 prognosis, 850 hPa height, temperature (H+24)
 0938 MSL pressure prognosis (H+24)

0944 prognosis,
 700 hPa height, relative humidity (H+36)
 0949 prognosis, 850 hPa height, temperature (H+36)
 0954 significant weather prognosis
 VT1800 400 - 700 hPa
 0959 upper-air prognosis 500 hPa,
 heights and vorticity (H+48)
 1005 MSL pressure prognosis (H+48)
 1026 0600 tropical surface analysis
 1033 significant weather prognosis
 VT1800 400 - 150 hPa
 1040 wind and temperature prognosis VT0000 FL340
 1048 wind and temperature prognosis VT0000 FL340
 1053 wind and temperature prognosis VT0000 FL450
 1101 wind and temperature prognosis VT0000 FL450
 1106 wind and temperature prognosis VT0000 FL240
 1113 wind and temperature prognosis VT0000 FL100
 1120 wind and temperature prognosis VT0000 FL340
 1129 wind and temperature prognosis VT0000 FL180
 1136 wind and temperature prognosis VT0000 FL50
 1143 500 hPa height contours (H+24)
 Northern Hemisphere
 1149 500 hPa height contours (H+48)
 Northern Hemisphere
 1155 500 hPa height contours (H+72)
 Northern Hemisphere
 1201 500 hPa height contours (H+96)
 Northern Hemisphere
 1207 500 hPa height contours (H+120)
 Northern Hemisphere
 1213 500 hPa height contours (H+144)
 Northern Hemisphere
 1248 significant weather prognosis
 VT0000 450 - 150 hPa
 1339 significant weather prognosis
 VT0000 400 - 70 hPa
 1450 significant weather prognosis
 VT0000 400 - 150 hPa
 1521 1200 preliminary surface analysis
 1543 sea surface temperature:
 East Pacific (Monday, Thursday)
 North Pacific (Tuesday)
 West US coast (Wednesday, Saturday)
 North-west US coast, Gulf of Alaska
 (Friday, Sunday)
 1554 general notifications
 1604 computer maintenance
 1723 1200 upper-air analysis 250 hPa
 1744 1200 upper-air analysis 700 hPa
 1751 1200 tropical surface analysis
 1804 computer maintenance
 1813 1200 upper-air analysis 500 hPa
 1820 1200 Pacific Atoll analysis
 1831 1200 upper-air analysis 200 hPa
 1842 shear/thickness VT1200
 1924 wind and temperature prognosis VT0600 FL340
 1932 wind and temperature prognosis VT0600 FL340
 1937 wind and temperature prognosis VT0600 FL450
 1945 wind and temperature prognosis VT0600 FL450
 1950 wind and temperature prognosis VT0600 FL240
 1957 wind and temperature prognosis VT0600 FL100
 2004 wind and temperature prognosis VT0600 FL340

2013 1200 analysis, 500 hPa height, vorticity
 2019 1200 analysis,
 700 hPa height, relative humidity
 2024 1200 analysis, 850 hPa height, temperature
 2031 significant weather prognosis
 VT0600 400 - 150 hPa
 2036 1200 MSL pressure analysis
 2042 prognosis,
 700 hPa height, relative humidity (H+12)
 2047 wind and temperature prognosis VT0600 FL180
 2054 wind and temperature prognosis VT0600 FL50
 2105 1800 preliminary surface analysis
 2114 upper-air prognosis 500 hPa,
 heights and vorticity (H+24)
 2120 prognosis,
 700 hPa height, relative humidity (H+24)
 2125 prognosis, 850 hPa height, temperature (H+24)
 2130 MSL pressure prognosis (H+24)
 2136 prognosis,
 700 hPa height, relative humidity (H+36)
 2142 significant weather prognosis
 VT0600 400 - 70 hPa
 2147 prognosis, 850 hPa height, temperature (H+36)
 2152 upper-air prognosis 500 hPa,
 heights and vorticity (H+48)
 2158 upper-air prognosis 500 hPa,
 heights and vorticity initially (H+12)
 2211 upper-air prognosis 500 hPa,
 heights and vorticity (H+36, H+48)
 2217 MSL pressure prognosis (H+48)
 2224 significant weather prognosis
 VT0600 400 - 150 hPa
 2240 1000 hPa streams and winds (H+24)
 2304 1000 hPa streams and winds (H+48)
 2320 1800 tropical surface analysis
 2328 wind and temperature prognosis VT1200 FL340
 2336 wind and temperature prognosis VT1200 FL340
 2341 wind and temperature prognosis VT1200 FL450
 2349 wind and temperature prognosis VT1200 FL450
 2354 wind and temperature prognosis VT1200 FL240

USN Pearl Harbour	2122.0	NPM
	4855.0	NPM
	9396.0	NPM
	14826.0	NPM
	21837.0	NPM

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0000 FFAX broadcast schedule

0028 400 hPa prognosis West Pacific VT1200 (H+24)
 0042 400 hPa prognosis East Pacific VT1200 (H+24)
 0056 700 hPa prognosis West Pacific VT1200 (H+24)
 0110 700 hPa prognosis East Pacific VT1200 (H+24)
 0124 500 hPa prognosis West Pacific VT1200 (H+24)
 0138 500 hPa prognosis East Pacific VT1200 (H+24)
 0152 850 hPa prognosis West Pacific VT1200 (H+24)
 0206 850 hPa prognosis East Pacific VT1200 (H+24)
 0220 250 hPa prognosis West Pacific VT1200 (H+24)
 0234 250 hPa prognosis East Pacific VT1200 (H+24)
 0248 surface prognosis West Pacific VT1200 (H+48)
 0302 surface prognosis East Pacific VT1200 (H+48)

0316 preliminary surface analysis West Pacific 0000
 0330 preliminary surface analysis East Pacific 0000
 0344 500 hPa SL prognosis Northern Hemisphere
 VT1200 (H+24)
 0358 400 hPa prognosis Polar Region VT1200 (H+24)
 0414 GOES IR picture East sector 0400
 0428 final surface analysis Polar Region 0000
 0447 test chart
 0502 500 hPa SL prognosis Northern Hemisphere VT0000
 0516 final surface analysis part 1 East Pacific 0000
 0540 - sea surface temperature analysis South
 California 0000 (Wednesday, Friday, Sunday)
 - sea surface temperature analysis North Ca-
 lifornia 0000 (Tuesday, Thursday, Saturday)
 - seven day storm track (Monday)
 0558 final surface analysis part 2 West Pacific 0000
 0620 tropical warning, or open period
 0630 sea surface temperature analysis West Pacific
 0000
 0644 sea surface temperature analysis East Pacific
 0000
 0658 surface prognosis West Pacific VT1200 (H+12)
 0712 surface prognosis East Pacific VT1200 (H+12)
 0726 500 hPa prognosis West Pacific VT1200 (H+12)
 0740 500 hPa prognosis East Pacific VT1200 (H+12)
 0754 significant wave visual analysis East Pacific
 0000
 0808 surface prognosis West Pacific VT1200 (H+36)
 0822 surface prognosis East Pacific VT1200 (H+36)
 0836 significant wave prognosis West Pacific
 VT1200 (H+12)
 0850 significant wave prognosis East Pacific
 VT1200 (H+12)
 0904 preliminary surface analysis West Pacific 0600
 0918 preliminary surface analysis East Pacific 0600
 0932 500 hPa prognosis West Pacific VT1200 (H+36)
 0946 500 hPa prognosis East Pacific VT1200 (H+36)
 1000 significant wave prognosis West Pacific
 VT1200 (H+36)
 1014 significant wave prognosis East Pacific
 VT1200 (H+36)
 1028 horizontal weather depiction prognosis
 VT0000 (H+24)
 1051 final surface analysis part 1 East Pacific 0600
 1113 final surface analysis part 2 West Pacific 0600
 1135 surface pressure prognosis Polar Region
 VT1200 (H+36)
 1149 tropical warning, or open period
 1200 500 hPa prognosis East Pacific VT0000 (H+96)
 1214 surface prognosis East Pacific VT0000 (H+96)
 1228 400 hPa prognosis West Pacific VT0000 (H+24)
 1242 400 hPa prognosis East Pacific VT0000 (H+24)
 1256 700 hPa prognosis West Pacific VT0000 (H+24)
 1310 700 hPa prognosis East Pacific VT0000 (H+24)
 1324 500 hPa prognosis West Pacific VT0000 (H+24)
 1338 500 hPa prognosis East Pacific VT0000 (H+24)
 1352 850 hPa prognosis West Pacific VT0000 (H+24)
 1406 850 hPa prognosis East Pacific VT0000 (H+24)
 1420 250 hPa prognosis West Pacific VT0000 (H+24)
 1434 250 hPa prognosis East Pacific VT0000 (H+24)
 1448 surface prognosis West Pacific VT0000 (H+48)
 1502 surface prognosis East Pacific VT0000 (H+48)

1516 preliminary surface analysis West Pacific 1200
 1530 preliminary surface analysis East Pacific 1200
 1544 500 hPa SL prognosis Northern Hemisphere
 VT0000 (H+24)
 1558 400 hPa prognosis Polar Region VT0000 (H+24)
 1614 GOES IR picture East sector 1600
 1628 final surface analysis Polar Region 1200
 1648 surface prognosis West Pacific VT0000 (H+72)
 1702 surface prognosis East Pacific VT0000 (H+72)
 1716 final surface analysis part 1 East Pacific 1200
 1740 GOES VIS picture Central sector 1730
 1758 final surface analysis part 2 West Pacific 1200
 1820 tropical warning, or open period
 1830 500 hPa prognosis West Pacific VT0000 (H+72)
 1844 500 hPa prognosis East Pacific VT0000 (H+72)
 1858 surface prognosis West Pacific VT0000 (H+12)
 1912 surface prognosis East Pacific VT0000 (H+12)
 1926 500 hPa prognosis West Pacific VT0000 (H+12)
 1940 500 hPa prognosis East Pacific VT0000 (H+12)
 1954 significant wave visual analysis East Pacific
 1200
 2008 surface prognosis West Pacific VT0000 (H+36)
 2022 surface prognosis East Pacific VT0000 (H+36)
 2036 significant wave prognosis West Pacific
 VT0000 (H+12)
 2050 significant wave prognosis East Pacific
 VT0000 (H+12)
 2104 preliminary surface analysis West Pacific 1800
 2118 preliminary surface analysis East Pacific 1800
 2132 500 hPa prognosis West Pacific VT0000 (H+36)
 2146 500 hPa prognosis East Pacific VT0000 (H+36)
 2200 significant wave prognosis West Pacific
 VT0000 (H+36)
 2214 significant wave prognosis East Pacific
 VT0000 (H+36)
 2228 horizontal weather depiction prognosis
 VT1200 (H+24)
 2251 final surface analysis part 1 East Pacific 1800
 2313 final surface analysis part 2 West Pacific 1800
 2335 surface pressure prognosis Polar Region
 VT0000 (H+36)
 2349 tropical warning, or open period

INDIA

Delhi Meteo 4993.5 ATA 55
 7403.0 ATP 57
 10107.5 ATE 60
 14842.0 ATV 65
 18233.0 ATQ 38

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0011 ASAS DEMS 1800 sea level
 0030 AXAS80 DEMS 1200 800 hPa diagnostic wind
 0048 AXAS40 DEMS 1200 400 hPa diagnostic wind
 0124 FBAS DEMS 1800 for the period 0300-1500
 0142 FXAS50 DEMS 1200 500 hPa contour (H+24)
 0200 FXAS30 DEMS 1200 300 hPa contour (H+24)
 0218 FUAS20 DEMS 1200 wind 200 hPa (H+24) PEM

0436 FUAS85 DEMS 1200 wind 850 hPa (H+24) PEM
 0454 FUAS20 DEMS 1200 wind 200 hPa (H+48) PEM
 0620 ASAS DEMS 0000 sea level
 0710 AUAS85 DEMS 0000 850 hPa
 0728 AUAS70 DEMS 0000 700 hPa
 0746 AUAS50 DEMS 0000 500 hPa
 0804 AUAS30 DEMS 0000 300 hPa
 0822 FSAS DEMS 0000 sea level
 0840 FBAS DEMS 0000 for the period 0900-2100
 0900 AUAS20 DEMS 0000 200 hPa
 1023 FUAS50 DEMS 0000 500 hPa
 1041 FUAS30 DEMS 0000 300 hPa
 1059 FUAS25 DEMS 0000 250 hPa
 1117 FUAS20 DEMS 0000 200 hPa
 1135 FXAS DEMS 0000 tropopause, maximum wind
 1153 AUAS10 DEMS 0000 100 hPa
 1211 ASAS DEMS 0600 sea level
 1230 AXAS30 DEMS 1200 300 hPa relative vorticity
 1248 FUAS85 DEMS 0000 wind 850 hPa (H+24) PEM
 1324 FBAS DEMS 0600 for the period 1500-0300
 1448 FUAS20 DEMS 0000 wind 200 hPa (H+24) PEM
 1820 ASAS DEMS 1200 sea level
 1840 AXAS85 DEMS 1200 850 hPa relative vorticity
 1910 AUAS85 DEMS 1200 850 hPa
 1928 AUAS70 DEMS 1200 700 hPa
 1946 AUAS50 DEMS 1200 500 hPa
 2004 AUAS30 DEMS 1200 300 hPa
 2022 FSAS DEMS 1200 sea level
 2040 FBAS DEMS 1200 for the period 2100-0900
 2100 AUAS20 DEMS 1200 200 hPa
 2136 AXAS50 DEMS 1200 500 hPa relative vorticity
 2223 FUAS50 DEMS 1200 500 hPa
 2241 FUAS30 DEMS 1200 300 hPa
 2259 FUAS25 DEMS 1200 250 hPa
 2317 FUAS20 DEMS 1200 200 hPa
 2335 FXAS DEMS 1200 tropopause, maximum wind
 2353 AUAS10 DEMS 1200 100 hPa

ITALY

Rome Meteo 4777.5 IMB 51
 8146.6 IMB 55
 13597.4 IMB 56

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0330 FBEU EDZW VT1200
 0340 0000 TEMPs of Italy
 0430 AXEU LIIB 0000 freezing level chart
 AUEU LIIB 0000 850 hPa
 0445 ASEU LIIB 0000
 0500 APEU LIIB 0000 3-hour pressure changes chart
 AUEU LIIB 0000 500 hPa
 0515 AUEU LIIB 0000 700 hPa
 AUEU LIIB 0000 300 hPa
 0530 AUEU LIIB 0000 200 hPa
 AUEU LIIB 0000 tropopause and maximum wind
 0545 ANEU LIIB nephanalyses
 FBEU LIIB VT1200
 0610 FUXU LIIB VT1800 300/200 hPa

0630 FUXX LIIB VT1800 tropopause,
maximum wind and significant weather

0730 FUEU LIIB VT0000 700 hPa
FUEU LIIB VT0000 500 hPa

0745 FUEU LIIB VT0000 300 hPa
FUEU LIIB VT0000 200 hPa

0830 ANEU LIIB nephanalyses

0930 FBXX EGLL VT1800 NAT

0940 FUXX EGLL VT1800 NAT 500 hPa

0950 AUXN EGRR 0000 500 hPa hemispheric

1000 FBEU EDZW VT1800

1015 FUXX KWBC 500 hPa (H+48)
FSXX KWBC surface pressure (H+48) or
FUEU LIIB
FSEU LIIB

1030 FSEU LIIB 0600 (H+24)
APEU LIIB 0600 3-hour pressure changes

1045 ASEU LIIB 0600

1100 FUXX LIIB VT0000 300/200 hPa

1120 FUXX LIIB VT0000 tropopause,
maximum wind and significant weather

1140 FSXX LIIB VT0000 state of Mediterranean Sea

1150 FBEU LIIB VT1800

1240 FUEU LIIB 500 hPa (H+72)
FSEU LIIB surface pressure (H+72)

1255 FUEU LIIB 500 hPa (H+96)
FSEU LIIB surface pressure (H+96)

1530 FBEU EDZW VT0000

1540 TEMPs of Italy

1630 AXEU LIIB 1200 freezing level chart
AUEU LIIB 1200 850 hPa

1645 ASEU LIIB 1200

1700 APEU LIIB 1200 3-hour pressure changes charts
AUEU LIIB 1200 500 hPa

1715 AUEU LIIB 1200 700 hPa
AUEU LIIB 1200 300 hPa

1730 AUEU LIIB 1200 200 hPa
AUEU LIIB 1200 tropopause and maximum wind

1745 ANEU LIIB nephanalyses
FBEU LIIB VT0000

1810 FUXX LIIB VT0600 300/200 hPa

1830 FUXX LIIB VT0600 tropopause,
maximum wind and significant weather

1930 FUEU LIIB VT1200 700 hPa
FUEU LIIB VT1200 500 hPa

1945 FUEU LIIB VT1200 300 hPa
FUEU LIIB VT1200 200 hPa

2030 ANEU LIIB nephanalyses

2050 APEU LIIB 1800 3-hour pressure changes charts

2130 FBEU EDZW VT0600

2140 FUXX LIIB VT1200 300/200 hPa

2215 FUXX KWBC 500 hPa (H+48)
FSXX KWBC surface pressure (H+48) or
FUEU LIIB
FSEU LIIB

2230 FSXX LIIB VT1200 state of Mediterranean Sea

2240 FUEU LIIB VT1200
APEU LIIB 1800 3-hour pressure changes charts

2255 ASEU LIIB 1800

2310 FUXX LIIB VT1200 tropopause,
maximum wind and significant weather

2330 FBEU LIIB VT0600

JAPAN

Tokyo Meteo 3365.0 JMJ
5405.0 JMJ 2
9438.0 JMJ 3
14692.5 JMJ 4
18130.0 JMJ 5

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0014 FUXX RJTD 1200 FL390 wind, temperature (H+24)

0032 FUXX RJTD 1200 FL300 wind, temperature (H+24)

0051 FXAS502 RJTD 1200
500 hPa height, vorticity (H+24)

0111 FXAS782 RJTD 1200 850 hPa temperature, wind /
700 hPa vertical P-velocity (H+24)

0129 FSAS02 RJTD 1200
surface pressure, precipitation (H+24)

0148 FBJP RJTD 2100 significant weather (H+9)

0208 MANAM manual amendments
(issued only when necessary)

0302 test chart

0551 FUJP3012 RJTD 0000
300 hPa temperature, wind (H+12)
FUJP5012 RJTD 0000
500 hPa temperature, wind (H+12)
FUJP7012 RJTD 0000
700 hPa temperature, wind (H+12)
FUJP8512 RJTD 0000
850 hPa temperature, wind (H+12)

0611 FBJP112 RJTD 0000 turbulence parameter,
CB area, 250 hPa jet axis (H+12)
FBJP212 RJTD 0000 surface pressure,
frontal parameter, simplified front,
700 hPa moist area (H+12)
FBJP312 RJTD 0000
0° C line, 850/700/500 hPa icing area (H+12)
FBJP412 RJTD 0000
cloud index distribution (H+12)

0629 FUF852 RJTD 0000 850 hPa
height, vorticity (H+24)

0638 FUF8702 RJTD 0000 700 hPa height,
temperature, dew point depression, wind (H+24)

0648 FBJP RJTD 0300 significant weather (H+9)

0733 AUPA25 RJTD 0000
250 hPa height, temperature, wind

0753 AUPA20 RJTD 0000
200 hPa height, temperature, wind

0811 FUPA502 RJTD 0000
500 hPa height, temperature, wind (H+24)

0829 FUPA252 RJTD 0000
250 hPa height, temperature, wind (H+24)

0909 FBAS RJTD 0000 significant weather (H+24)

0929 FBPN RJTD 0000 significant weather (H+24)

1000 FUXX RJTD 0000 FL340 wind, temperature (H+24)

1020 FUXX RJTD 0000 FL390 wind, temperature (H+24)

1038 FUXX RJTD 0000 FL300 wind, temperature (H+24)

1057 FUXX RJTD 0000 FL340 wind, temperature (H+24)

1117 FUXX RJTD 0000 FL390 wind, temperature (H+24)

1135 FUXX RJTD 0000 FL300 wind, temperature (H+24)

1154 FUXX RJTD 0000 FL340 wind, temperature (H+24)

1214 FUXX RJTD 0000 FL390 wind, temperature (H+24)

1232 FUXX RJTD 0000 FL300 wind, temperature (H+24)
1251 FXAS502 RJTD 0000
500 hPa height, vorticity (H+24)
1311 FXAS782 RJTD 0000 850 hPa temperature, wind /
700 hPa vertical P-velocity (H+24)
1319 Copyright 1987 Klingenfuss Publications
D-7400 Tuebingen Fed. Rep. of Germany
1329 FSAS02 RJTD 0000
surface pressure, precipitation (H+24)
1348 FBJP RJTD 0900 significant weather (H+9)
1715 AUAS50 RJTD 1200 500 hPa height, temperature
1735 FUJP3018 RJTD 1200
300 hPa temperature, wind (H+18)
FUJP5018 RJTD 1200
500 hPa temperature, wind (H+18)
FUJP7018 RJTD 1200
700 hPa temperature, wind (H+18)
FUJP8518 RJTD 1200
850 hPa temperature, wind (H+18)
1753 FUJP3012 RJTD 1200
300 hPa temperature, wind (H+12)
FUJP5012 RJTD 1200
500 hPa temperature, wind (H+12)
FUJP7012 RJTD 1200
700 hPa temperature, wind (H+12)
FUJP8512 RJTD 1200
850 hPa temperature, wind (H+12)
1811 FBJP112 RJTD 1200 turbulence parameter,
CB area, 250 hPa jet axis (H+12)
FBJP212 RJTD 1200 surface pressure,
frontal parameter, simplified front,
700 hPa moist area (H+12)
FBJP312 RJTD 1200
0° C line, 850/700/500 hPa icing area (H+12)
FBJP412 RJTD 1200
cloud index distribution (H+12)
1829 FUFES2 RJTD 1200
surface pressure, precipitation (H+24)
1838 FUFES2 RJTD 1200 700 hPa height,
temperature, dew point depression, wind (H+24)
1933 AUAS25 RJTD 1200
250 hPa height, temperature, wind
1953 AUAS20 RJTD 1200
200 hPa height, temperature, wind
2011 FUPA502 RJTD 1200
500 hPa height, temperature, wind (H+24)
2029 FUPA252 RJTD 1200
250 hPa height, temperature, wind (H+24)
2048 FBJP RJTD 1500 significant weather (H+9)
2109 FBAS RJTD 1200 significant weather (H+24)
2129 FBPN RJTD 1200 significant weather (H+24)
2200 FUXX RJTD 1200 FL340 wind, temperature (H+24)
2220 FUXX RJTD 1200 FL390 wind, temperature (H+24)
2238 FUXX RJTD 1200 FL300 wind, temperature (H+24)
2257 FUXX RJTD 1200 FL340 wind, temperature (H+24)
2317 FUXX RJTD 1200 FL390 wind, temperature (H+24)
2335 FUXX RJTD 1200 FL300 wind, temperature (H+24)
2354 FUXX RJTD 1200 FL340 wind, temperature (H+24)

Tokyo Meteo	3622.5	JMH
	7305.0	JMH 2
	9970.0	JMH 3
	13597.0	JMH 4
	18220.0	JMH 5
	22770.0	JMH 6
- 120/576		
0005	ASAS RJTD 1800 retransmission of 2202	
0023	AXFE78 RJTD 1200 retransmission of 1754	
0032	FXFE782 RJTD 1200 retransmission of 1824	
0041	FSAS04 RJTD 1200 retransmission of 2007	
0100	FEAS14 RJTD 1200 surface pressure, 850 hPa temperature (H+144) (Monday, Thursday)	
0111	FEAS514 RJTD 1200 500 hPa height, vorticity (H+144) (Monday, Thursday)	
0120	FEAS16 RJTD 1200 surface pressure, 850 hPa temperature (H+168) (Monday, Thursday)	
0129	FEAS516 RJTD 1200 500 hPa height, vorticity (H+168) (Monday, Thursday)	
0138	FEAS19 RJTD 1200 surface pressure, 850 hPa temperature (H+192) (Monday, Thursday)	
0147	FEAS519 RJTD 1200 500 hPa height, vorticity (H+192) (Monday, Thursday)	
0157	AXXN RJTD 1200 500 hPa composite of long wave, 500 hPa space mean anomaly	
0217	CUXN4 RJTD 1200 500 hPa 5-day mean height tendency (Monday, Thursday)	
- 60/576		
0236	forecast valid for 1 or 3 months (in clear, Japanese) (10., 20., last day of each month)	
120/576		
0304	test chart	
0312	0000 meteorological satellite picture (GMS)	
0331	radio prediction	
0348	ASAS RJTD 0000 with plotted data	
0408	WTFE02 RJTD 0000 typhoon forecast	
0416	ANAS RJTD 0000 nephanalysis (GMS)	
0436	MANAM manual amendments	
0442	AUAS50 RJTD 0000 500 hPa with plotted data	
0502	AUAS85 RJTD 0000 850 hPa height, temperature, dew point depression	
0520	AUAS70 RJTD 0000 700 hPa height, temperature, dew point depression	
0538	AUFE50 RJTD 0000 500 hPa height, vorticity	
0547	AXFE78 RJTD 0000 850 hPa temperature / 700 hPa vertical P-velocity	
0556	FUFE502 RJTD 0000 500 hPa height, vorticity (H+24)	
0605	FSFE02 RJTD 0000 surface pressure, precipitation (H+24)	
0614	AWPN RJTD 0000 with plotted data	
0633	FSAS RJTD 0000 (H+24)	
0653	FXFE782 RJTD 0000 850 hPa temperature, wind / 700 hPa vertical P-velocity (H+24)	
0702	FUFE503 RJTD 0000 500 hPa height, vorticity (H+36)	
0711	FSFE03 RJTD 0000 surface pressure, precipitation (H+36)	
0720	FXFE783 RJTD 0000 850 hPa temperature, wind / 700 hPa vertical P-velocity (H+36)	
0729	FWPN RJTD 0000 wave prognosis (H+24)	

0748 AUAS30 RJTD 0000
 300 hPa height, temperature, wind
 0808 FSAS04 RJTD 0000
 surface pressure, precipitation (H+48)
 0826 FXAS504 RJTD 0000
 500 hPa height, vorticity (H+48)
 0844 FSAS07 RJTD 0000
 surface pressure, precipitation (H+72)
 0902 FXAS507 RJTD 0000
 500 hPa height, vorticity (H+72)
 0921 FOPN1 RJTD 10-day mean sea surface temperature
 (9., 19., 29. of each month)
 0937 FOPN2 RJTD 10-day mean sea surface temperature
 anomaly (9., 19., 29. of each month)
 0948 ASAS RJTD 0600 with plotted data
 1008 WTFE02 RJTD 0600 typhoon forecast
 1016 ANAS RJTD 0600 nephanalysis (GMS)
 1036 COPN RJTD 10-day mean sea surface temperature
 (2., 12., 22. of each month)
 SOJP RJTD sea surface current
 (6., 16., 26. of each month)
 STPN RJTD sea ice condition (seasonal)
 (Tuesday, Friday)
 SOPN RJTD subsurface temperature at the
 depth of 100 m (7., 17., 27. of each month)
 COPA RJTD 10-day mean sea surface temperature
 (4., 14., 24. of each month)
 - 60/576
 1055 forecast valid for 1 week (Monday, Thursday)
 - 120/576
 1119 CUXN RJTD 500 hPa 5-day mean height (trans-
 mitted about 6 times a month informed at 0436)
 CUXN1 RJTD 500 hPa 5-day mean height anomaly
 (transmitted about 6 times a month
 informed at 0436)
 CUXN5 RJTD 100 hPa 5-day mean height (seasonal)
 (transmitted about 6 times a month
 informed at 0436)
 CSJP RJTD monthly mean temperature anomaly
 (6. of each month)
 CSJP1 RJTD percentage of monthly precipitation
 (6. of each month)
 CSJP2 RJTD percentage of monthly
 sunshine duration (6. of each month)
 CSJP3 RJTD monthly maximum depth of snow
 (seasonal) (6. of each month)
 CSXN1 RJTD monthly mean pressure
 (5. of each month)
 CSXN2 RJTD monthly mean pressure anomaly
 (5. of each month)
 CUXN2 RJTD 500 hPa monthly mean height
 (5. of each month)
 CUXN3 RJTD 500 hPa monthly mean height anomaly
 (5. of each month)
 1521 test chart
 1529 1200 meteorological satellite picture (GMS)
 1548 ASAS RJTD 1200 with plotted data
 1608 WTFE02 RJTD 1200 typhoon forecast
 1616 ANAS RJTD 1200 nephanalysis (GMS)
 1636 FEAS RJTD 500 hPa 10-day mean height
 and anomaly (6., 26. of each month)
 1649 AUAS50 RJTD 1200 500 hPa with plotted data
 1709 AUAS85 RJTD 1200 850 hPa height,
 temperature, dew point depression
 1727 AUAS70 RJTD 1200 700 hPa height,
 temperature, dew point depression
 1745 AUFE50 RJTD 1200 500 hPa height, vorticity
 1754 AXFE78 RJTD 1200 850 hPa temperature /
 700 hPa vertical P-velocity
 1804 FUF502 RJTD 1200
 500 hPa height, vorticity (H+24)
 1815 FSFE02 RJTD 1200
 surface pressure, precipitation (H+24)
 1824 FXFE782 RJTD 1200 850 hPa temperature, wind /
 700 hPa vertical P-velocity (H+24)
 1833 FUF503 RJTD 1200
 500 hPa height, vorticity (H+36)
 1842 FSFE03 RJTD 1200
 surface pressure, precipitation (H+36)
 1851 FXFE783 RJTD 1200 850 hPa temperature, wind /
 700 hPa vertical P-velocity (H+36)
 1929 AUAS30 RJTD 1200
 300 hPa height, temperature, wind
 1949 SMJP RJTD 1800 plotted surface observation
 2007 FSAS04 RJTD 1200
 surface pressure, precipitation (H+48)
 2025 FXAS504 RJTD 1200
 500 hPa height, vorticity (H+48)
 2043 FSAS07 RJTD 1200
 surface pressure, precipitation (H+72)
 2101 FXAS507 RJTD 1200
 500 hPa height, vorticity (H+72)
 2119 FXAS784 RJTD 1200 850 hPa temperature, wind /
 700 hPa vertical P-velocity (H+48)
 2137 AUXN50 RJTD 1200 500 hPa height, temperature
 2155 ASAS RJTD 1800 with plotted data
 2213 WTFE02 RJTD 1800 typhoon forecast
 2221 ANAS RJTD 1800 nephanalysis (GMS)
 2241 FEAS09 RJTD 1200 surface pressure,
 850 hPa temperature (H+96) (Sunday, Wednesday)
 2250 FEAS509 RJTD 1200 500 hPa height,
 vorticity (H+96) (Sunday, Wednesday)
 2259 FEAS12 RJTD 1200 surface pressure,
 850 hPa temperature (H+120) (Sunday, Wednesday)
 2308 FEAS512 RJTD 1200 500 hPa height,
 vorticity (H+120) (Sunday, Wednesday)
 2318 AUAS85 RJTD 1200 retransmission of 1709
 2338 AUFE50 RJTD 1200 retransmission of 1745
 2347 FUF502 RJTD 1200 retransmission of 1804
 2356 FSFE02 RJTD 1200 retransmission of 1815
 USN Yokosuka 12777.0 NDT
 (schedule see under USN Subic Bay, PHL)

KENYA

Nairobi Meteo 6956.0 5YE
 9045.0 5YE
 10115.0 5YE
 10387.0 5YE
 11127.0 5YE
 12317.0 5YE
 17367.0 5YE
 17662.0 5YE
 22388.0 5YE

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0010 FBKN HKNC 1200 FL250 significant weather
 0350 test chart
 0400 FBKN HKNC 1800
 FL250 significant weather (segment)
 0540 FBKN HKNC 1800 FL 100-250 significant weather
 0600 FBKN HKNC 1800 FL250 significant weather
 0830 test chart or schedule changes
 0844 ASKN HKNC 0600
 0859 AUKN HKNC 0600
 0914 FUKN HKNC 0000 500 hPa (H+24)
 0933 FUKN HKNC 0000 300 hPa (H+24)
 0959 FBKN HKNC 0000
 FL250 significant weather (segment)
 1018 FUKN HKNC 0000 250 hPa (H+24)
 1036 FUKN HKNC 0000 200 hPa (H+24)
 1055 ASKN HKNC 0600 24-hour change of pressure
 1110 FSKN HKNC 0600 (H+24)
 1124 FBKN HKNC 0000 FL 100-250 significant weather
 1142 FBKN HKNC 0000 FL250 significant weather
 1208 AUKN HKNC 0600 700 hPa
 1227 AUKN HKNC 0600 500 hPa
 1246 AUKN HKNC 0600 300 hPa
 1305 AUKN HKNC 0600 250 hPa
 1324 AUKN HKNC 0600 200 hPa
 1350 ASKN HKNC 0600 Indian Ocean
 1430 AUKN HKNC 1200 low level convergence zones
 1455 ASKN HKNC 1200 24-hour change of pressure
 1600 FBKN HKNC 0600
 FL250 significant weather (segment)
 1638 ASKN HKNC 1200
 1652 AUKN HKNC 1200 850 hPa
 1707 ASKN HKNC 1200 Indian Ocean
 1720 FBKN HKNC 0600 FL 100-250 significant weather
 1740 FBKN HKNC 0600 FL250 significant weather
 1800 FSKN HKNC 1200 (H+24)
 1825 AUKN HKNC 1200 700 hPa
 1844 AUKN HKNC 1200 500 hPa
 1930 AUKN HKNC 1200 300 hPa
 1949 AUKN HKNC 1200 250 hPa
 2008 AUKN HKNC 1200 200 hPa
 2055 FUKN HKNC 1200 500 hPa (H+24)
 2114 FUKN HKNC 1200 300 hPa (H+24)
 2133 FUKN HKNC 1200 250 hPa (H+24)
 2152 FUKN HKNC 1200 200 hPa (H+24)
 2210 FBKN HKNC 1200
 FL250 significant weather (segment)
 2350 FBKN HKNC 1200 FL 100-250 significant weather

MARIANA ISLANDS

USN Apra Harbour 6360.5 NPN
 9383.0 NPN
 10257.0 NPN
 16022.0 NPN
 18622.0 NPN
 23012.0 NPN

(schedule see under USN Subic Bay, PHL)

10253.0 NPN

~ 120/576

0000 broadcast schedule (part 1)
 0015 broadcast schedule (part 2)
 0030 surface prognosis Northwest Pacific
 VT0000 (H+48)
 0045 FSP MSPN significant wave height prognosis
 Northwest Pacific VT0000 (H+36)
 0100 500 hPa prognosis Northern Hemisphere
 VT0000 (H+48)
 0115 NORAPS 500 hPa prognosis Northwest Pacific
 VT0000 (H+36)
 0130 FSP ocean synopsis analysis Northwest Pacific
 0145 FSP MTSC
 sea surface temperature South China Sea
 0200 FSP MTPN
 sea surface temperature Northwest Pacific
 0215 ~ FSP MLPN MLD analysis North Pacific
 (Tuesday/Friday)
 ~ FSP MLSC MLD analysis South China Sea
 (Wednesday/Saturday)
 0230 surface prognosis Northwest Pacific
 VT0000 (H+96)
 0245 surface prognosis Northwest Pacific
 VT0000 (H+72)
 0300 preliminary surface analysis South China Sea /
 Bay of Bengal / Australia VT0000
 0315 tropical warning
 0330 preliminary surface analysis Northwest Pacific
 VT0000
 0345 surface prognosis Northwest Pacific
 VT0000 (H+120)
 0400 500 hPa prognosis Northwest Pacific
 VT0000 (H+72)
 0415 open period
 0430 vorticity analysis Northern Hemisphere VT0000
 0445 vorticity prognosis Northern Hemisphere
 VT0000 (H+24)
 0500 open period
 0515 850 hPa analysis Northwest Pacific VT0000
 0530 500 hPa analysis Northwest Pacific VT0000
 0545 200 hPa analysis Northwest Pacific VT0000
 0600 FSP ASPN
 surface final analysis Northwest Pacific VT0000
 0615 FSP ASPS
 surface final analysis Southwest Pacific VT0000
 0630 FSP ANAS nephanalysis VT0000
 0645 FSP ASIO surface analysis Indian Ocean VT0000

0700 FSP MSEH
 significant wave height analysis VT0000
 0715 850 hPa prognosis Northwest Pacific
 VT0000 (H+24)
 0730 500 hPa prognosis Northwest Pacific
 VT0000 (H+24)
 0745 200 hPa prognosis Northwest Pacific
 VT0000 (H+24)
 0800 500 hPa prognosis Indian Ocean VT0000 (H+24)
 0815 500 hPa prognosis Northwest Pacific
 VT0000 (H+36)
 0830 surface prognosis Northwest Pacific
 VT0000 (H+36)
 0845 open period
 0900 surface prognosis Northwest Pacific
 VT0000 (H+24)
 0915 NORAPS surface prognosis Northwest Pacific
 VT0000 (H+24)
 0930 NORAPS surface final analysis Northwest Pacific
 VT0000
 0945 preliminary surface analysis Northwest Pacific
 VT0600
 1000 NORAPS 500 hPa analysis Northwest Pacific
 VT0000
 1015 NORAPS surface prognosis Northwest Pacific
 VT0000 (H+36)
 1030 850 hPa prognosis Northwest Pacific
 VT0000 (H+36)
 1045 FSP ANAS nephanalysis VT0600
 1100 500 hPa analysis Northern Hemisphere VT0000
 1115 NORAPS 500 hPa prognosis Northwest Pacific
 VT0000 (H+24)
 1130 200 hPa prognosis Northwest Pacific
 VT0000 (H+36)
 1145 surface prognosis Northwest Pacific
 VT0000 (H+48)
 1200 open period
 1215 open period
 1230 surface prognosis Northwest Pacific
 VT1200 (H+48)
 1237 Copyright 1987 Klingenfuss F. R. Germany
 1245 FSP MSPN significant wave height prognosis
 Northwest Pacific VT1200 (H+36)
 1300 500 hPa prognosis Northern Hemisphere
 VT1200 (H+48)
 1315 NORAPS 500 hPa prognosis Northwest Pacific
 VT1200 (H+36)
 1330 FSP ocean synopsis analysis Northwest Pacific
 1345 FSP WTSC
 sea surface temperature South China Sea
 1400 FSP MTPN
 sea surface temperature Northwest Pacific
 1415 open period
 1430 surface prognosis Northwest Pacific
 VT0000 (H+96)
 1445 surface prognosis Northwest Pacific
 VT0000 (H+72)
 1500 preliminary surface analysis South China Sea /
 Bay of Bengal / Australia VT1200
 1515 open period
 1530 preliminary surface analysis Northwest Pacific
 VT1200
 1545 surface prognosis Northwest Pacific
 VT0000 (H+120)
 1600 500 hPa prognosis Northwest Pacific
 VT0000 (H+72)
 1615 open period
 1630 vorticity analysis Northern Hemisphere VT1200
 1645 vorticity prognosis Northern Hemisphere
 VT1200 (H+24)
 1700 open period
 1715 850 hPa analysis Northwest Pacific VT1200
 1730 500 hPa analysis Northwest Pacific VT1200
 1745 200 hPa analysis Northwest Pacific VT1200
 1800 FSP ASPN
 surface final analysis Northwest Pacific VT1200
 1815 FSP ASPS
 surface final analysis Southwest Pacific VT1200
 1830 FSP ANAS nephanalysis VT1200
 1845 FSP ASIO surface analysis Indian Ocean VT1200
 1900 FSP MSEH
 significant wave height analysis VT1200
 1915 850 hPa prognosis Northwest Pacific
 VT1200 (H+24)
 1930 500 hPa prognosis Northwest Pacific
 VT1200 (H+24)
 1945 200 hPa prognosis Northwest Pacific
 VT1200 (H+24)
 2000 500 hPa prognosis Indian Ocean VT1200 (H+24)
 2015 500 hPa prognosis Northwest Pacific
 VT1200 (H+36)
 2030 surface prognosis Northwest Pacific
 VT1200 (H+36)
 2045 open period
 2100 surface prognosis Northwest Pacific
 VT1200 (H+24)
 2115 NORAPS surface prognosis Northwest Pacific
 VT1200 (H+24)
 2130 NORAPS surface final analysis Northwest Pacific
 VT1200
 2145 preliminary surface analysis Northwest Pacific
 VT1800
 2200 NORAPS 500 hPa analysis Northwest Pacific
 VT1200
 2215 NORAPS surface prognosis Northwest Pacific
 VT1200 (H+36)
 2230 850 hPa prognosis Northwest Pacific
 VT1200 (H+36) (Saturday - Thursday)
 2245 FSP ANAS nephanalysis VT1800
 (Saturday - Thursday)
 2300 500 hPa analysis Northern Hemisphere VT1200
 2315 NORAPS 500 hPa prognosis Northwest Pacific
 VT1200 (H+24)
 2330 200 hPa prognosis Northwest Pacific
 VT1200 (H+36)
 2345 surface prognosis Northwest Pacific
 VT1200 (H+48)

NEW ZEALAND

Auckland Meteo 5807.0 ZKLF
 9459.0 ZKLF
 13550.0 ZKLF
 16340.0 ZKLF

- 120/576

0000 significant weather prognosis VT1200
 0015 sea swell forecast New Zealand VT0000/1800
 0030 250 hPa prognosis East Pacific VT1200 (H+24)
 0045 700 hPa prognosis VT1800 (H+30)
 0100 250 hPa analysis 1800
 0115 250 hPa prognosis VT1200 (H+24)
 0300 0000 MSL analysis
 0315 significant weather prognosis North Pacific VT1200
 0330 0000 MSL analysis Southwest Pacific
 0400 significant weather prognosis Asia VT1200
 0430 MSL marine weather prognosis Southwest Pacific VT1200
 0445 FAX schedule
 0545 sea swell forecast New Zealand VT0600/0000
 0600 significant weather prognosis VT1800
 0615 500 hPa analysis 0000
 0700 250 hPa analysis 0000
 0730 250 hPa prognosis VT1800 (H+30)
 0800 500 hPa prognosis VT0000 (H+24)
 0815 700 hPa prognosis VT0000 (H+24)
 0830 significant weather prognosis North Pacific VT1800
 0945 MSL analysis 0600
 1000 250 hPa prognosis North Pacific VT0000 (H+24)
 1015 250 hPa prognosis North Pacific VT0600 (H+30)
 1030 ML WMC MSL analysis South Pacific 0000
 1045 500 hPa prognosis VT0600 (H+30)
 1100 700 hPa prognosis VT0600 (H+30)
 1115 significant weather prognosis Asia VT1800
 1130 MSL maritime weather prognosis Southwest Pacific VT1800
 1200 significant weather prognosis VT0000
 1300 250 hPa analysis 0600
 1315 250 hPa prognosis VT0000 (H+24)
 1500 MSL analysis 1200
 1515 significant weather prognosis North Pacific VT0000
 1530 MSL analysis Southwest Pacific 1200
 1600 MSL prognosis Southwest Pacific VT1200 (H+24)
 1615 significant weather prognosis Asia VT0000
 1630 MSL maritime weather prognosis Southwest Pacific VT0000
 1645 FAX schedule
 1745 sea swell forecast New Zealand VT1800/1200
 1830 500 hPa analysis 1200
 1845 significant weather prognosis VT0600
 1900 250 hPa analysis 1200
 1915 250 hPa prognosis VT0600 (H+30)
 1945 sea surface temperature analysis New Zealand (Monday, Wednesday)
 2000 500 hPa prognosis VT1200 (H+24)
 2015 700 hPa prognosis VT1200 (H+24)

2030 significant weather prognosis North Pacific VT0600
 2145 MSL analysis 1800
 2200 significant weather prognosis Asia VT0600
 2215 250 hPa prognosis North Pacific VT1200 (H+24)
 2230 250 hPa prognosis North Pacific VT1800 (H+30)
 2245 ML WMC MSL South Pacific analysis 1200
 2300 significant weather prognosis East Pacific VT1200
 2315 500 hPa prognosis VT1800 (H+30)
 2330 MSL maritime weather prognosis Southwest Pacific VT0600
 2345 MSL prognosis Southwest Pacific VT1200 (H+42)

PERU

Lima Meteo 5837.0 OCB 30
 10657.0 OCB 31

- 120/576

1330 FUPZ SPLI VT0000 850 hPa (H+24)
 1350 FUPZ SPLI VT0000 500 hPa (H+24)
 1410 ASPZ SPLI 1200
 1430 AUPZ SPLI 1200 850 hPa
 1450 AUPZ SPLI 1200 500 hPa
 1510 FSPZ SPLI VT0000 significant weather (H+24)
 1530 - SPLI test chart (Tuesday)
 - SOPZ SPLI 1200 sea surface temperature analysis (Friday)
 2010 ASPZ SPLI 1800
 2030 AUPZ SPLI 1800 700 hPa
 2050 AUPZ SPLI 1800 300 hPa
 2110 FSPZ SPLI VT0600 significant weather (H+24)
 2130 CSPZ SPLI monthly mean sea surface temperature anomaly (S. of each month)

PHILIPPINES

USN Subic Bay 3379.5 NPO
 10966.0 NPO
 15927.0 NPO
 22865.0 NPO

- 120/576

0000 - FSP MLPN MLD analysis North Pacific (Tuesday/Friday)
 - FSP MLSC MLD analysis South China Sea (Wednesday/Saturday)
 - FSP MLNA MLD analysis Indian Ocean (Thursday/Sunday)
 0015 500 hPa analysis Northern Hemisphere VT1200
 0030 850 hPa prognosis South China Sea VT1200 (H+24)
 0045 700 hPa prognosis South China Sea VT1200 (H+24)
 0100 500 hPa prognosis South China Sea VT1200 (H+24)
 0115 300 hPa prognosis South China Sea VT1200 (H+24)
 0130 200 hPa prognosis South China Sea VT1200 (H+24)

- 0145 NORAPS surface prognosis Northwest Pacific
VT1200 (H+24)
- 0200 surface prognosis South China Sea VT1200 (H+24)
- 0215 850 hPa prognosis Indian Ocean VT1200 (H+24)
- 0230 700 hPa prognosis Indian Ocean VT1200 (H+24)
- 0245 500 hPa prognosis Indian Ocean VT1200 (H+24)
- 0300 tropical typhoon warning
- 0315 400 hPa prognosis Indian Ocean VT1200 (H+24)
- 0330 NORAPS 500 hPa prognosis Northwest Pacific
VT1200 (H+24)
- 0345 200 hPa prognosis Indian Ocean VT1200 (H+24)
- 0400 surface prognosis Indian Ocean VT1200 (H+24)
- 0415 preliminary surface analysis Northwest Pacific
VT0000
- 0430 - FSP broadcast quality message (Wednesday)
- FSP Northwest Pacific ocean synopsis
(Saturday/Sunday)
- 0450 FSP ANAS nephanalysis VT0000
- 0505 NORAPS surface analysis Northwest Pacific
VT0000
- 0520 FSP ASIO
final surface analysis Indian Ocean VT0000
- 0535 FSP ASPN
final surface analysis Northwest Pacific VT0000
- 0555 FSP ASPS
final surface analysis Southwest Pacific VT0000
- 0615 FSP FBPN significant weather prognosis
North Pacific VT0000 (H+24)
- 0635 FSP MSEH
significant wave height analysis VT0000
- 0655 850 hPa analysis Northwest Pacific VT0000
- 0710 surface prognosis Northwest Pacific VT0000
(H+24)
- 0725 500 hPa analysis Northwest Pacific VT0000
- 0740 surface prognosis Northwest Pacific VT0000
(H+36)
- 0755 FSP FBPS significant weather prognosis
South Pacific VT0000 (H+24)
- 0810 surface prognosis Northwest Pacific VT0000
(H+48)
- 0825 surface prognosis Northwest Pacific VT0000
(H+72)
- 0840 300 hPa analysis Northwest Pacific VT0000
- 0855 - tropical typhoon warning, or
- FSP ANAS nephanalysis VT0600
- 0905 200 hPa analysis Northwest Pacific VT0000
- 0920 NORAPS 500 hPa analysis Northwest Pacific
VT0000
- 0935 850 hPa prognosis Northwest Pacific
VT0000 (H+36)
- 0950 FSP ASIO final surface analysis Indian Ocean
VT0000
- 1005 500 hPa prognosis Northwest Pacific
VT0000 (H+36)
- 1020 400 hPa prognosis Northwest Pacific
VT0000 (H+36)
- 1035 200 hPa prognosis Northwest Pacific
VT0000 (H+36)
- 1050 preliminary surface analysis Northwest Pacific
VT0600
- 1105 500 hPa analysis Northern Hemisphere VT0000
- 1120 500 hPa prognosis Northern Hemisphere
VT0000 (H+36)
- 1140 FSP MSPN significant wave prognosis
Northwest Pacific VT0000 (H+36)
- 1200 GFAX broadcast schedule (part 1)
- 1215 GFAX broadcast schedule (part 2)
- 1230 850 hPa prognosis South China Sea VT0000 (H+24)
- 1245 700 hPa prognosis South China Sea VT0000 (H+24)
- 1300 500 hPa prognosis South China Sea VT0000 (H+24)
- 1315 300 hPa prognosis South China Sea VT0000 (H+24)
- 1330 200 hPa prognosis South China Sea VT0000 (H+24)
- 1345 NORAPS surface prognosis Northwest Pacific
VT0000 (H+24)
- 1400 surface prognosis South China Sea VT0000 (H+24)
- 1415 850 hPa prognosis Indian Ocean VT0000 (H+24)
- 1430 700 hPa prognosis Indian Ocean VT0000 (H+24)
- 1445 500 hPa prognosis Indian Ocean VT0000 (H+24)
- 1500 tropical typhoon warning
- 1515 400 hPa prognosis Indian Ocean VT0000 (H+24)
- 1530 NORAPS 500 hPa prognosis Northwest Pacific
VT0000 (H+24)
- 1545 200 hPa prognosis Indian Ocean VT0000 (H+24)
- 1600 surface prognosis Indian Ocean VT0000 (H+24)
- 1615 preliminary surface analysis Northwest Pacific
VT1200
- 1630 - FSP ANAS nephanalysis VT1200
(Monday - Friday)
- FSP Northwest Pacific ocean synopsis
(Saturday/Sunday)
- 1650 - FSP MTPN sea surface temperature analysis
North Pacific (Wednesday/Saturday)
- FSP MTSC sea surface temperature analysis
South China Sea (Thursday/Sunday)
- FSP MTNA sea surface temperature analysis
Indian Ocean (Friday/Tuesday)
- 1705 NORAPS surface analysis Northwest Pacific
VT1200
- 1720 FSP ASIO
final surface analysis Indian Ocean VT1200
- 1735 FSP ASPN
final surface analysis Northwest Pacific VT1200
- 1755 FSP ASPS
final surface analysis Southwest Pacific VT1200
- 1815 FSP MSEH
significant wave height analysis VT1200
- 1835 FSP FBPN significant weather prognosis
North Pacific VT1200 (H+24)
- 1855 850 hPa analysis Northwest Pacific VT1200
- 1910 surface prognosis Northwest Pacific VT1200
(H+24)
- 1925 500 hPa analysis Northwest Pacific VT1200
- 1940 surface prognosis Northwest Pacific VT1200
(H+36)
- 1955 FSP FBPS significant weather prognosis
South Pacific VT1200 (H+24)
- 2010 surface prognosis Northwest Pacific VT1200
(H+48)
- 2025 surface prognosis Northwest Pacific
VT0000 (H+72)
- 2040 300 hPa analysis Northwest Pacific VT1200
- 2055 - tropical typhoon warning, or
- FSP ANAS nephanalysis VT1800

2105 200 hPa analysis Northwest Pacific VT1200
 2120 NORAPS 500 hPa analysis Northwest Pacific VT1200
 2135 850 hPa prognosis Northwest Pacific VT1200 (H+36)
 2150 700 hPa prognosis Northwest Pacific VT1200 (H+36)
 2205 500 hPa prognosis Northwest Pacific VT1200 (H+36)
 2220 400 hPa prognosis Northwest Pacific VT1200 (H+36)
 2235 200 hPa prognosis Northwest Pacific VT1200 (H+36)
 2250 preliminary surface analysis Northwest Pacific VT1800
 2305 FSP FBIO significant weather prognosis Indian Ocean VT1200 (H+24)
 2320 500 hPa prognosis Northern Hemisphere VT1200 (H+36)
 2340 FSP MSPN significant wave prognosis Northwest Pacific VT1200 (H+36)

15923.0 NPO

(schedule see under USN Apra Harbour, Mariana Is.)

PORTUGAL

PAF Lisbon 3706.5 CSE
 7479.5 CSE
 8054.0 CSE

- 120/576

0827 surface analysis North Atlantic to Europe
 0838 analysis North Atlantic to Europe
 0849 forecast of en-route conditions (text)
 0900 forecast of en-route conditions (text)
 0910 2-panel TEMSI / FS North Atlantic to Western Europe VT1200
 1435 surface analysis 1200
 1500 "ANALISE RADIOSONDAGEM 12H" with diagram and table
 1530 UNID chart entitled "EMISSAO EXCLUSIVA PARA RA2"

SAUDI ARABIA

Jeddah Meteo 5452.0 HZN
 10296.0 HZN

- 120/576

0350 test chart
 0400 ASXX OEJD 0000 with plotted data
 0520 test chart
 0530 AUXX OEJD 0000 850 hPa

0550 AUXX OEJD 0000 700 hPa
 0610 AUXX OEJD 0000 500 hPa
 0630 AUXX OEJD 0000 300 hPa
 0650 AUXX OEJD 0000 250 hPa
 0710 AUXX OEJD 0000 200 hPa
 1128 test chart
 1138 FUSD OEJD VT0000 700hPa
 1150 FUSD OEJD VT0000 500hPa
 1202 FUSD OEJD VT0000 300hPa
 1214 FUSD OEJD VT0000 250hPa
 1226 FUSD OEJD VT0000 200hPa
 1238 FUSD OEJD VT0000 significant weather, maximum wind
 1520 test chart
 1530 ASXX OEJD 1200 with plotted data
 1650 test chart
 1700 AUXX OEJD 1200 850 hPa
 1720 AUXX OEJD 1200 700 hPa
 1740 AUXX OEJD 1200 500 hPa
 1800 AUXX OEJD 1200 300 hPa
 1820 AUXX OEJD 1200 250 hPa
 1840 AUXX OEJD 1200 200 hPa
 2246 test chart
 2256 FUSD OEJD VT0000 significant weather, maximum wind
 2306 FUSD OEJD VT1200 700hPa
 2320 FUSD OEJD VT1200 500hPa
 2332 FUSD OEJD VT1200 300hPa
 2344 FUSD OEJD VT1200 250hPa
 2356 FUSD OEJD VT1200 200hPa

SOUTH AFRICA (REPUBLIC OF)

Pretoria Meteo 4014.0 ZRO 5
 7508.0 ZRO 2
 13773.0 ZRO 3
 18238.0 ZRO 4

- 120/576

0445 XXZA FAPR facsimile schedule
 0515 ASZA FAPR 0300 seaward analysis of the area only, depending on available information; bi-level chart: analysis over continent for the 850 hPa level, contours at intervals of 10 gpm
 0600 AUZA FAPR 0000-0400 700/500/300/200 hPa
 0630 FU.. FAPR ECMWF upper-air prognoses VT1200
 0710 AOZA FAPR 10-day mean surface temperature (Eastern coastal waters Monday, Wednesday, Friday; Western coastal waters Tuesday, Thursday, Saturday)
 0730 FS.. FAPR ECMWF surface prognoses VT1200
 0830 AHAP FAPR 0000 1000/300 hPa
 0900 AUXS FAPR 0000 500 hPa computer analysis
 0920 FS.. FAPR ECMWF surface prognoses VT1200
 1000 ASZA FAPR 0600
 1415 AUZA FAPR 1200 700/500/300/200 hPa
 1445 ASZA FAPR 1200
 1800 AUXS FAPR 1200 500 hPa computer analysis
 1820 AS.. FAPR 1200 ECMWF surface analysis

SPAIN

Madrid Meteo 3650.0
6918.5 ECA 7
10250.0

- 120/576
0105 FUEU EDZW 1200 300 hPa (H+24)
0139 FUEU EDZW 1200 500 hPa (H+24)
0151 FUEU EDZW 1200 700 hPa (H+24)
FUEU EDZW 1200 850 hPa (H+24)
0400 ASSP LEMM 0000
AUSP LEMM 0000 300 hPa
- 60/576
0424 SMSP LEMM 0000
- 120/576
0454 AUSP LEMM 0000 500 hPa
0518 FUSA LEMM 0000 300 hPa VT1200
FBSA LEMM 0000 significant weather VT1200
FUSA LEMM 0000 200 hPa VT1200
FUSA LEMM 0000 250 hPa tropopause VT1200
0555 AXSP LEMM 0000 significant weather
AUSP LEMM 0000 700 hPa
0620 AUSP LEMM 0000 850 hPa
FBSP LEMM 0000 VT0900
0700 FSSP LEMM 0000 (H+12)
0725 FSSP LEMM 0000 (H+24)
- 60/576
0748 SMSP LEMM 0600
- 120/576
0820 AUSP LEMM 0000 200 hPa
0840 AUSP LEMM 0000 150 hPa
0900 FUSP LEMM 1200 500/850/1000 hPa
ECMWF (H+24, H+48, H+72)
0950 FUEU EDZW 0000 500 hPa (H+24)
FUEU EDZW 0000 700 hPa (H+24)
1015 FUSA LEMM 0000 300 hPa VT1800
FBSA LEMM 0000 significant weather VT1800
FUSA LEMM 0000 200 hPa VT1800
FUSA LEMM 0000 250 hPa tropopause VT1800
1055 AXSP LEMM 0600 wave analysis
1115 FUEU EDZW 0000 300 hPa (H+24)
1127 FSSP LEMM 1200 (H+48 or H+60)
1140 FSSP LEMM 0000 (H+24)
FUEU EDZW 0000 850 hPa (H+24)
1205 FXSP LEMM 1200 wave prognosis VT0000
1304 FUEU EDZW 0000 300 hPa (H+24)
1338 FUEU EDZW 0000 500 hPa (H+24)
1351 FUEU EDZW 0000 700 hPa (H+24)
FUEU EDZW 0000 850 hPa (H+24)
1545 AUSP LEMM 1200 500 hPa
ASSP LEMM 1200
1610 FUSA LEMM 1200 300 hPa VT0000
FBSA LEMM 1200 significant weather VT0000
FUSA LEMM 1200 200 hPa VT0000
FUSA LEMM 1200 250 hPa tropopause VT0000
1650 SOSF LEMM 0600 sea surface temperature
AXSP LEMM 1200 wave analysis
1725 AUSP LEMM 1200 300 hPa
1748 AXSP LEMM 1200 significant weather
AUSP LEMM 1200 700 hPa

1810 FBSP LEMM 1200 VT0600
FBSP LEMM 1200 VT1200
1820 AUSP LEMM 1200 850 hPa
1904 FUEU EDZW 1200 300 hPa (H+24)
1938 FUEU EDZW 1200 500 hPa (H+24)
1951 FUEU EDZW 1200 700 hPa (H+24)
FUEU EDZW 1200 850 hPa (H+24)
2000 Copyright 1987 Klingenfuss
Publicaciones Alemania Federal
2200 FUSA LEMM 1200 300 hPa VT0600
FBSA LEMM 1200 significant weather VT0600
FUSA LEMM 1200 200 hPa VT0600
FUSA LEMM 1200 250 hPa tropopause VT0600

SN/USN Rota 4704.0 AOK
7665.5 AOK
8109.5 AOK
9875.0 AOK
17585.0 AOK

(schedule see under USN Kato Soli, Greece)

9406.0 AOK
15644.0 AOK

(schedule see under USN Subic Bay, Philippines)

SWEDEN

Norrköping Meteo 4037.5 SMA 4
6901.0 SMA 6
8077.5 SMA 8

- 120/576

0005 FS/FUXX ESWI 1800
- surface pressure, vertical velocity (H+30)
- 850 hPa, isotherms (H+30)
- 500 hPa, thickness 500/1000 hPa (H+30)
- 300 hPa, isotaches (H+30)
- plotted temperatures
0030 FS/FXXX ESWI 1800
- surface pressure, relative humidity
1000-300 hPa (H+18, H+30)
- amount of precipitation of previous 12 hours
(0600-1800, 1800-0600)
0430 ASXX ESWI 0000
0530 AUXX ESWI 0000 500/300 hPa, with plotted data
0725 FSXX ESWI 0000 (H+36) (summer)
0825 FSXX ESWI 0000 (H+36) (winter)
1000 ASXX ESWI 0600
1130 STSN ESWI 0900 ice chart
1150 FS/FUXX ESWI 0600
- surface pressure, vertical velocity (H+12)
- 850 hPa, isotherms (H+12)
- 500 hPa, thickness 500/1000 hPa (H+12)
- 300 hPa, isotaches (H+12)
- plotted temperatures

1210 FS/FUXX ESWI 0600

- surface pressure, vertical velocity (H+18)
- 850 hPa, isotherms (H+18)
- 500 hPa, thickness 500/1000 hPa (H+18)
- 300 hPa, isotaches (H+18)
- plotted temperatures

1230 FS/FUXX ESWI 0600

- surface pressure, vertical velocity (H+30)
- 850 hPa, isotherms (H+30)
- 500 hPa, thickness 500/1000 hPa (H+30)
- 300 hPa, isotaches (H+30)
- plotted temperatures

1300 FS/FXXX ESWI 0600

- surface pressure, relative humidity
1000-300 hPa (H+18, H+30)
- amount of precipitation of previous 12 hours
(0600-1800, 1800-0600)

1420 STSN ESWI 0900 ice chart

1635 ASXX ESWI 1200

1730 STSN ESWI 1500 ice chart

1750 AUXX ESWI 1200 500/300 hPa with plotted data

2210 ASXX ESWI 1800

2255 FS/FUXX ESWI 1800

- surface pressure, vertical velocity (H+12)
- 850 hPa, isotherms (H+12)
- 500 hPa, thickness 500/1000 hPa (H+12)
- 300 hPa, isotaches (H+12)
- plotted temperatures

2330 FS/FUXX ESWI 1800

- surface pressure, vertical velocity (H+18)
- 850 hPa, isotherms (H+18)
- 500 hPa, thickness 500/1000 hPa (H+18)
- 300 hPa, isotaches (H+18)
- plotted temperatures

THAILAND

Bangkok Meteo 6765.0 HSW 69
 7395.0 HSW 64
 17520.0 HSW 61

- 60/576

0330 ASTH VTBB 1200 retransmission of 1700

0500 ASTH VTBB 0000

AUTH VTBB 0000 700/500 hPa

0600 ANAE VTBB 0300 nephanalysis

1100 ASTH VTBB 0600

1700 ASTH VTBB 1200

2300 ASTH VTBB 1800

TURKEY

Ankara Meteo 6790.0 YMA 22

- 90/576

0440 ASTU LTAA 0000

0510 FBTU LTAA 0000 (H+12)

0540 test chart

0600 ASTU LTAA 0300

0630 AUTU LTAA 0000 300 hPa

0715 AUTU LTAA 0000 500 hPa

0800 AUTU LTAA 0000 200 hPa

0830 FUTU LTAA 0000 500 hPa (H+24)

0900 FUTU LTAA 0000 700 hPa (H+24)

0930 FUTU LTAA 0000 300 hPa (H+24)

1000 ASTU LTAA 0600

1030 ANTU LTAA

1100 FSU LTAA 0000 (H+24)

1130 FSU LTAA 0000 (H+36)

1200 FBTU LTAA 0600 (H+24)

1230 ASTU LTAA 0900

1257 AUTU LTAA 0000 maximum wind analysis

1325 FUTU LTAA 1200 ECMWF 500 hPa

(H+48, H+72, H+96, H+120)

1600 ASTU LTAA 1200

1700 FBTU LTAA 1200 (H+12)

1830 ASTU LTAA 1500

1900 AUTU LTAA 1200 500 hPa

1930 AUTU LTAA 1200 300 hPa

2000 FUTU LTAA 1200 500 hPa (H+24)

2030 AUTU LTAA 1200 200 hPa

2100 FUTU LTAA 1200 300 hPa (H+24)

2150 FSU LTAA 1200 (H+24)

2240 ASTU LTAA 1800

2305 FSU LTAA 1200 (H+36)

UNION OF SOVIET SOCIALIST REPUBLICS

Khabarovsk Meteo, SE 4516.7 RXB 72
 7475.0 RXB 75
 9230.0 RXO 70
 14737.0 RXO 72
 19275.0 RXO 74

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0010 FUXX RUHB 1200 500 hPa (H+36)

0025 FUXX RUHB 1200 850 hPa (H+48)

0040 FSXX RUHB 1800 (H+24)

0055 FSXX RUHB 1800 (H+36)

- 120/576

0115 FBXX RUHB 1200 significant weather chart
and prognosis 300 hPa VT0600

0145 FBXX RUHB 1200 significant weather chart
and upper-wind forecast VT0600

0210 AOPA RUHB sea surface temperature,
weather distribution for the Pacific Ocean
(2., 7., 12., 17., 22., 27. of each month)

- 60/576

0240 ASXX RUHB 0000

- 120/576

0345 AUXX RUHB 0000 850 hPa

0410 AUXX RUHB 0000 700 hPa

- 60/576

0435 ASXX RUHB 0300

- 120/576
 0520 AUXX RUHB 0000 300 hPa
 0545 AUXX RUHB 0000 200 hPa
 0610 AUXX RUHB 0000 500 hPa
 - 90/288
 0635 FUXX RUHB 0000 200 hPa (H+24)
 0650 FUXX RUHB 0000 300 hPa (H+24)
 - 120/576
 0705 AUXX RUHB 0000 tropopause
 - 90/288
 0730 FUXX RUHB 0000 850 hPa (H+36)
 0745 FUXX RUHB 0000 700 hPa
 and vertical motion (H+36)
 - 120/576
 0800 FBXX RUHB 0000 significant weather chart
 and prognosis 300 hPa VT1200
 0830 FBXX RUHB 0000 significant weather chart
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 - 60/576
 0855 ASXX RUHB 0600
 1030 ASXX RUHB 0900
 - 120/576
 1115 AUXX RUHB 0000 maximum wind
 1140 AUXX RUHB 0000 100 hPa
 - 90/288
 1205 FUXX RUHB 0000 500 hPa (H+36)
 1220 FUXX RUHB 0000 850 hPa (H+48)
 1235 FUXX RUHB 0000 700 hPa
 and vertical motion (H+48)
 1250 FUXX RUHB 0000 500 hPa (H+48)
 1305 FUXX RUHB 0000 500 hPa (H+72)
 - 120/576
 1320 FBXX RUHB 0000 significant weather chart
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 1350 FBXX RUHB 0000 significant weather chart
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 1415 FOPX RUMS 10-day mean sea surface temperature
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 - 60/576
 1440 ASXX RUHB 1200
 - 120/576
 1545 AUXX RUHB 1200 850 hPa
 1610 AUXX RUHB 1200 700 hPa
 - 60/576
 1635 ASXX RUHB 1500
 - 120/576
 1720 AUXX RUHB 1200 300 hPa
 1745 AUXX RUHB 1200 200 hPa
 - 90/288
 1810 FUXX RUHB 1200 200 hPa (H+24)
 1825 FUXX RUHB 1200 300 hPa (H+24)
 - 120/576
 1840 AUXX RUHB 1200 tropopause
 1905 AUXX RUHB 1200 maximum wind
 1930 AUXX RUHB 1200 500 hPa
 1955 FBXX RUHB 1200 significant weather chart
 and prognosis 300 hPa VT0000
 2025 FBXX RUHB 1200 significant weather chart
 and upper-wind forecast VT0000
 - 60/576
 2050 ASXX RUHB 1800
 2230 ASXX RUHB 2100
 - 120/576
 2315 AUXX RUHB 1200 100 hPa
 - 90/288
 2340 FUXX RUHB 1200 850 hPa (H+36)
 2355 FUXX RUHB 1200 700 hPa
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 - 90/576
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 - 60/576
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 7670.0 RCC 76
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 0030 AUXX RUMS 1800 500 hPa
 0047 SDXX RUMS 0000 radar data
 0110 test chart
 0305 AUXX RUMS 0000 tropopause
 0330 AUXX RUMS 0000 400 hPa
 0355 SDXX RUMS 0300 radar data
 0420 AUXX RUMS 0000 300 hPa
 - 120/576
 0445 FUXX RUMS 1800 200 hPa (H+24)
 0500 FUXX RUMS 1800 300 hPa (H+24)
 0515 FUXX RUMS 1800 significant weather chart (H+24)
 - 90/576
 0530 AUXX RUMS 0000 200 hPa
 0554 FBXX RUMS VT1500 significant weather chart
 and prognosis 300 hPa
 - 120/576
 0625 ANXX RUMS 0000-0400
 nephanalyses and forecasts of cloud systems
 - 90/576
 0643 FBXX RUMS VT1500 significant weather chart
 and prognosis 400 hPa
 0715 SDXX RUMS 0600 radar data
 0740 AUXX RUMS 0000 maximum wind
 0805 AUXX RUMS 0000 100 hPa
 0830 AUXX RUMS 0000 700 hPa
 0905 AUXX RUMS 0600 850 hPa
 0939 AUXX RUMS 0600 500 hPa
 0956 SDXX RUMS 0900 radar data
 - 120/576
 1020 FUXX RUMS 0000 200 hPa (H+24)

1035 FUXX RUMS 0000 300 hPa (H+24)
 1050 FUXX RUMS 0000 significant weather chart (H+24)
 - 90/576
 1105 AUXX RUMS 0600 400 hPa
 1120 FBXX RUMS VT1800 significant weather chart
 and prognosis 300 hPa
 1155 FBXX RUMS VT1800 significant weather chart
 and prognosis 400 hPa
 1230 AUXX RUMS 0600 300 hPa
 1250 SDXX RUMS 1200 radar data
 - 120/576
 1315 AUXN RUMS 0000 50 hPa
 - 90/576
 1505 AUXX RUMS 1200 tropopause
 1530 AUXX RUMS 1200 400 hPa
 1555 SDXX RUMS 1500 radar data
 1620 AUXX RUMS 1200 300 hPa
 1645 AUXX RUMS 1200 200 hPa
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 1710 FUXX RUMS 0600 200 hPa (H+24)
 1725 FUXX RUMS 0600 300 hPa (H+24)
 1740 FUXX RUMS 0600 (H+24)
 1755 ANXX RUMS 1200-1600
 nephalanyses and forecasts of cloud systems
 - 90/576
 1810 FBXX RUMS VT0000 significant weather chart
 and prognosis 300 hPa
 1845 FBXX RUMS VT0000 significant weather chart
 and prognosis 400 hPa
 1900 Copyright 87 Klingenfuss Publications
 1920 SDXX RUMS Fd. Rp. Germany 1800 radar data
 1945 AUXX RUMS 1200 maximum wind
 2010 AUXX RUMS 1200 850 hPa
 2035 AUXX RUMS 1200 500 hPa
 2105 AUXX RUMS 1800 850 hPa
 2122 AUXX RUMS 1800 700 hPa
 2139 AUXX RUMS 1800 300 hPa
 2155 SDXX RUMS 2100 radar data
 - 120/576
 2220 FUXX RUMS 1200 200 hPa (H+24)
 2235 FUXX RUMS 1200 300 hPa (H+24)
 2250 FUXX RUMS 1200 (H+24)
 - 90/576
 2304 AUXX RUMS 1800 400 hPa
 2320 FBXX RUMS VT0600 significant weather chart
 and prognosis 300 hPa
 2355 FBXX RUMS VT0600 significant weather chart
 and prognosis 400 hPa

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 5355.0 RND 77
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 - 90/576
 0005 ANXS RUMS photo-mosaic
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 - 60/576
 0220 ASXX RUMS 0000
 0255 ASXX RUMS 0000

 - 90/576
 0330 AUXX RUMS 0000 850 hPa
 0355 AUXX RUMS 0000 700 hPa
 0420 AUXX RUMS 0000 500 hPa
 0445 AHXX RUMS 0000 500/1000 hPa
 0510 AWNT RUMS 0000 wave analysis
 - 120/288
 0544 FSXX RUMS 0000 (H+24)
 0557 FSXX RUMS 0000 (H+36)
 - 120/576
 0609 FUXX RUMS 0000 700 hPa (H+24, H+36)
 0639 FUXX RUMS 0000 500 hPa (H+24, H+36)
 0651 FUXX RUMS 0000 850 hPa (H+24, H+36)
 0712 FUXX RUMS 0000 500 hPa (H+48)
 - 120/288
 0733 FUXN RUMS 0000 500 hPa (H+24)
 - 120/576
 0745 ASXX RUMS 0000
 - 90/576
 0810 test chart
 - 60/576
 0820 ASXX RUMS 0300
 0855 ASXX RUMS 0300
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 0930 AUXN RUMS 0000 500 hPa
 - 120/288
 0955 FSXX RUMS 0000 (H+48)
 1007 FUXN RUMS 0000 500 hPa (H+48)
 - 120/576
 1074 TUEB Ingen Hagelloch
 1020 AUXN RUMS 0000 300 hPa
 1045 FWNT RUMS 0000
 wave prognosis (H+24, H+48)
 - 120/288
 1109 FSXX RUMS 0000 (H+72)
 1122 FUXN RUMS 0000 500 hPa (H+72)
 - 120/576
 1135 AONT RUMS temperature analysis for North Atlan-
 tic (1., 6., 11., 16., 21., 26. of each month)
 FONT RUMS 10-day mean sea surface temperature
 prognosis for North Atlantic from 3 October
 to 3 March (3., 13., 23. of each month)
 AOXT RUMS 5-day mean sea surface
 temperature analysis for tropical belt
 (2., 7., 12., 17., 22., 27. of each month)
 - 60/576
 1159 ASXT RUMS 0000
 1247 ASXX RUMS 1200
 1332 AUXT RUMS 0000 500 hPa
 1420 ASXX RUMS 1200
 1455 ASXX RUMS 1200
 - 90/576
 1530 AUXX RUMS 1200 850 hPa
 1555 AUXX RUMS 1200 700 hPa
 1620 AUXX RUMS 1200 500 hPa
 1645 ASXS RUMS 0000
 1708 AWNT RUMS 1200 wave analysis
 1739 AHXX RUMS 1200 500/1000 hPa
 - 120/288
 1822 FSXX RUMS 1200 (H+24)
 1835 FUXX RUMS 1200 700 hPa (H+24)
 1848 FUXX RUMS 1200 850 hPa (H+24)

- 120/576
 1901 ASXX RUMS 1200
 1926 FSXX RUMS 1200 (H+36)
 1946 test chart
 - 60/576
 2020 ASXX RUMS 1800
 2055 ASXX RUMS 1800
 - 120/576
 2130 AUXN RUMS 1200 500 hPa
 2155 AUXN RUMS 1200 300 hPa
 2340 ANXT RUMS 1200 photo-mosaic
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Moscow Meteo, RU 4202.5 RAT 21
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 1125 prognostic chart Eastern Europe
 1148 prognostic chart Russia
 - 60/288
 1440 chart North Africa
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 1735 FUXX RUMS 700 hPa USSR
 1755 FUXX RUMS 500 hPa USSR
 - 90/576
 2055 FUXX RUMS USSR

Moscow Meteo, RU 10712.0 RKA 73

- 60/288
 1500 photo mosaic from METEOR satellite data
 - 120/576:
 1538 200 hPa chart headed "AFC MOSCOW"

Murmansk Meteo, RU 4142.0
 10520.0

- 120/576 LSB
 0230 chart Northern Europe
 - 90/576
 0800 chart Europe - Western Siberia
 - 120/576
 0823 chart Europe - Western Siberia
 - 60/288 LSB
 1015 FUXX 500 hPa (H+24) North Atlantic - Norwegian
 Sea - Europe with handwritten Cyrillic text
 Copyright 1987 Klingenfuss Publications
 D-7400 Tuebingen Fed. Rep. of Germany
 - 120/576 LSB
 1320 chart Norwegian Sea / Barents Sea
 with Cyrillic text
 - 90/288 LSB
 1340 (ice ?) chart Norwegian Sea / Barents Sea
 with Cyrillic text
 - 120/576 LSB
 1420 chart Norwegian Sea
 1442 chart Norwegian Sea
 1530 chart Arctic Ocean 80° W - 100° E
 zenithal projection

- 90/576 LSB
 1620 (ice ?) chart Norwegian Sea / Barents Sea
 with Cyrillic text

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 5765.0 RYO 79
 9220.0 RTB 26
 12320.0 RYO 76

- 120/576
 0000 AUXX RUNW 1800 300 hPa
 - 90/576
 0032 FBXX RUNW 1800 significant weather chart
 and upper-wind forecast
 - 120/576
 0047 AUXX RUNW 1800 maximum wind
 - 90/576
 0137 FSXX RUNW VT0600
 0152 FUXX RUNW VT0600 300 hPa
 0207 FUXX RUNW VT0600 200 hPa
 0222 FUXX RUNW VT0600 400 hPa
 0255 ASXX RUNW 0000
 - 120/576
 0328 AURA RUNW 0000 vertical cross-sections for:
 Novosibirsk - Moscow, Novosibirsk -
 Irkutsk, Novosibirsk - Tashkent
 - 90/576
 0340 AUXX RUNW 0000 700 hPa
 0414 AUXX RUNW 0000 850 hPa
 - 120/576
 0450 FSXX RUNW 0000
 5-day and 10-day mean temperature anomaly
 0500 AUXX RUNW 0000 500 hPa
 0525 AUXX RUNW 0000 300 hPa
 0549 FSXX RUNW 0000 (H+24)
 0601 FSXX RUNW 0000 (H+36)
 0613 FSXX RUNW development of synoptic situation
 for 3 days and for a synoptic period
 - 120/288
 0632 AHXX RUNW 0000 500/1000 hPa
 0644 FXXX RUNW 0000 vertical motion (H+36)
 - 120/576
 0650 AUXX RUNW 0000 925 hPa
 - 120/288
 0702 AUXX RUNW 0000 400 hPa
 - 120/576
 0714 AXXX RUNW 0000 vertical motion
 0720 FBXX RUNW 0600 significant weather chart
 and upper-wind forecast
 - 90/576
 0735 FSXX RUNW VT1200
 0750 FUXX RUNW VT1200 300 hPa
 0805 FUXX RUNW VT1200 200 hPa
 0820 FUXX RUNW VT1200 400 hPa
 - 120/576
 0835 AUXX RUNW 0000 tropopause
 - 90/576
 0849 ASXX RUNW 0600
 - 120/576
 0925 AUXX RUNW 0000 200 hPa
 0937 FUXX RUNW 0000 200 hPa (H+24)

0955 ASXX RUNW 0000
 1025 FSXX RUNW development of synoptic situation
 for 3 days and for a synoptic period
 1035 FUXX RUNW 0000 500 hPa (H+48)
 1047 FUXX RUNW 0000 500 hPa (H+72)
 1140 ANXX RUNW
 photo mosaic from METEOR satellite data
 - 90/576
 1155 FUXX RUNW VT1800 400 hPa
 1208 FSXX RUNW VT1800
 1223 FUXX RUNW VT1800 300 hPa
 1238 FUXX RUNW VT1800 200 hPa
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 1300 ANXX RUNW pictures of METEOR satellite
 - 60/576
 1430 ASXX RUNW 1200
 - 90/576
 1530 AUXX RUNW 1200 700 hPa
 1604 AUXX RUNW 1200 850 hPa
 1638 AUXX RUNW 1200 500 hPa
 - 120/576
 1712 AUXX RUNW 1200 300 hPa
 1738 AUXX RUNW 1200 400 hPa
 1802 AHXX RUNW 1200 500/1000 hPa
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 1818 FSXX RUNW 1200 vertical motion (H+24)
 1824 FXXX RUNW 1200 vertical motion (H+36)
 1830 FUXX RUNW 1200 500 hPa (H+24, H+36)
 1836 FUXX RUNW 1200 850 hPa (H+24, H+36)
 1842 FUXX RUNW 1200 700 hPa (H+24, H+36)
 - 90/576
 1854 FBXX RUNW 1200 significant weather chart
 and upper-wind forecast
 1921 FUXX RUNW VT0000 400 hPa
 1936 FBXX RUNW 1200 significant weather chart
 and surface prognosis
 1952 FUXX RUNW VT0000 300 hPa
 2008 FUXX RUNW VT0000 200 hPa
 - 60/576
 2030 ASXX RUNW 1800
 - 90/576
 2120 AUXX RUNW 1800 vertical cross-sections for:
 Novosibirsk - Moscow, Novosibirsk -
 Irkutsk, Novosibirsk - Tashkent
 2152 AUXX RUNW 1800 700 hPa
 2215 AUXX RUNW 1800 850 hPa
 2235 FBXX RUNW
 2250 AUXX RUNW 1800 500 hPa
 2325 AUXX RUNW 1800 400 hPa

 Novosibirsk Meteo, SW 4475.0
 5210.0 ROF 75
 5335.0 ROF 76
 9060.0 RCU 73
 12230.0 RCU 79

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 0026 AUXX RUNW 1800 300 hPa
 0047 SDRX RUNW 0000
 - 90/576
 0102 SMRX RUNW 0000
 0137 FSXX RUNW VT0600
 0152 FUXX RUNW VT0600 300 hPa
 0207 FUXX RUNW VT0600 200 hPa
 0225 FUXX RUNW VT0600 400 hPa
 - 120/576
 0240 FUXX RUNW 1200 700 hPa (H+48)
 0255 FUXX RUNW 1200 500 hPa (H+48)
 0310 FUXX RUNW 1200 300 hPa (H+48)
 0328 AHXX RUNW 0000 vertical cross-sections for:
 Novosibirsk - Moscow, Novosibirsk -
 Tashkent, Novosibirsk - Irkutsk
 0340 ANXX RUNW pictures of METEOR satellite
 - 90/576
 0405 SMRX RUNW 0300
 - 120/576
 0438 SDRX RUNW 0300
 - 90/576
 0450 AUXX RUNW 0000 300 hPa
 0526 AUXX RUNW 0000 maximum wind
 - 120/288
 0541 FUXX RUNW 0000 700 hPa (H+24, H+36)
 - 90/576
 0547 FXXX RUNW 0000 vertical motion (H+36)
 - 120/576
 0602 AHXX RUNW 0000 500/1000 hPa
 0624 ANXX RUNW pictures of METEOR satellite
 0648 SDRX RUNW 0600
 - 90/576
 0700 SMRX RUNW 0600
 0735 FSXX RUNW VT1200
 0750 FUXX RUNW VT1200 300 hPa
 0805 FUXX RUNW VT1200 200 hPa
 0820 FUXX RUNW VT1200 400 hPa
 - 120/576
 0855 AUXX RUNW 0000 tropopause
 0907 FUXX RUNW 0000 850 hPa (H+24, H+36)
 0923 FBXX RUNW 0600 significant weather chart
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 0950 AUXX RUNW 0000 200 hPa
 1005 SDRX RUNW 0900
 - 90/576
 1017 SMRX RUNW 0900
 1155 FUXX RUNW 0000 400 hPa (H+18)
 1208 FSXX RUNW 0000 (H+18)
 1223 FUXX RUNW 0000 300 hPa (H+18)
 1238 FUXX RUNW 0000 200 hPa (H+18)
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 1335 SDRX RUNW 1200
 1356 ANXX RUNW
 photo-mosaic from METEOR satellite data
 - 60/576
 1430 ASXX RUNW 1200
 - 90/576
 1605 SDRX RUNW 1500
 1620 SMRX RUNW 1500
 - 120/576
 1712 AUXX RUNW 1200 700 hPa
 1736 AUXX RUNW 1200 850 hPa
 1802 AUXX RUNW 1200 300 hPa
 1825 AUXX RUNW 1200 400 hPa
 1850 SDRX RUNW 1800

- 90/576
 1918 FBXX RUNW 1800 significant weather chart
 and upper-wind forecast
 1936 FSXX RUNW VT0000
 1952 FUXX RUNW VT0000 300 hPa
 2008 FUXX RUNW VT0000 200 hPa
 2030 FUXX RUNW VT0000 400 hPa
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 2045 AUXX RUNW 1200 maximum wind
 2107 AUXX RUNW 1200 tropopause
 2130 FUXX RUNW 1200 700 hPa (H+24, H+36)
 2142 FUXX RUNW 1200 500 hPa (H+24, H+36)
 2205 SDRA RUNW 2100
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 2218 SMRA RUNW 2100
 2250 AUXX RUNW 1800 500 hPa
 - 120/576
 2325 AUXX RUNW 1800 maximum wind

Rostov-na-Donu Meteo, UK	3610.0	R00 70
	7630.0	RNR 78
	7967.5	RFU 7
	9100.0	

- 60/576
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 1030 chart Black Sea area
 1330 photo mosaic from METEOR satellite data
 - 60/576
 1613 surface analysis of Black Sea area
 - 60/576
 1910 chart Black Sea / North Caspian Sea area

Tashkent Meteo, UZ	3280.0	RBX 70
	5090.0	RBX 74
	5285.0	RBX 71
	9150.0	RCH 73

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 0020 FUXX RUTK 1200 300 hPa (H+24, H+36)
 - 60/576
 0035 SDRA RUTK 0000
 - 120/288
 0110 FUXX RUTK 1200 200 hPa (H+36)
 - 60/576
 0140 FBRA RUTK 0600 significant weather chart
 and prognosis 300 hPa VT0600
 0300 USXX RUTK 0000 humidity chart 850/700/500 hPa
 - 120/288
 0325 SDRA RUTK 0300
 - 90/576
 0335 AUXX RUTK 0000 300 hPa
 0410 AUXX RUTK 0000 400 hPa
 0445 AUXX RUTK 0000 850 hPa
 0520 AUXX RUTK 0000 maximum wind
 0555 AURA RUTK 0000 vertical profile
 and wind prognosis at various heights
 - 120/288
 0615 AXXH RUTK 0000
 vertical motion at 850/700/500 hPa

0622 SDRA RUTK 0600
 - 90/576
 0630 FXXH RUTK 0000
 vertical motion at 850/700/500 hPa (H+24, H+36)
 0705 AHXX RUTK 0000 500/1000 hPa
 - 60/576
 0740 FBRA RUTK 1200 significant weather chart
 and prognosis 300 hPa VT1200
 - 90/576
 0825 AUXX RUTK 0000 100 hPa
 - 120/576
 0900 ANXX RUTK nephanalysis
 - 120/288
 0923 SDRA RUTK 0900
 0930 AUXN RUTK 0000 700/500 hPa (H+18)
 0945 ASXN RUTK 0000 300/200 hPa (H+18)
 1000 FUXX RUTK 0000 850 hPa (H+24)
 1015 FUXX RUTK 0000 200 hPa (H+24)
 - 90/576
 1115 FBXX RUTK VT1800
 significant weather chart and prognosis 300 hPa
 - 120/288
 1155 FUXX RUTK 0000 700 hPa (H+48)
 1210 FUXX RUTK 0000 500 hPa (H+48)
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 1230 SDRA RUTK 1200
 1330 FBRA RUTK VT1800
 significant weather chart and prognosis 300 hPa
 1355 FUXX RUTK 1800 300 hPa VT1800
 1533 SDRA RUTK 1500
 - 90/576
 1545 AUXX RUTK 1200 700 hPa
 1625 AUXX RUTK 1200 400 hPa
 - 60/576
 1700 AUXX RUTK 1200 850 hPa
 - 90/576
 1800 AUXX RUTK 1200 300 hPa
 1835 SMXX RUTK 1500
 precipitation and extremes of temperature
 - 120/288
 1903 SDRA RUTK 1800
 - 120/576
 1910 FXXH RUTK 1200
 vertical motion at 850/700/500 hPa (H+24, H+36)
 - 60/576
 1940 FBRA RUTK VT1500
 significant weather chart and prognosis 300 hPa
 - 90/576
 2025 AUXX RUTK 1200 200 hPa
 - 60/576
 2100 AUXX RUTK 1200 tropopause
 - 120/288
 2145 SDRA RUTK 2100
 - 90/576
 2155 AUXX RUTK 1800 850 hPa
 2212 AUXX RUTK 1800 700 hPa
 2229 AUXX RUTK 1800 500 hPa
 2246 AUXX RUTK 1800 400 hPa
 2303 AUXX RUTK 1800 300 hPa
 2320 FBRA RUTK VT0600
 significant weather chart and prognosis 300 hPa
 - 120/288
 2355 FUXX RUTK 1200 500 hPa (H+18)

Tashkent Meteo, UZ 3690.0 RBV 70
 4365.0 RPJ 78
 5890.0 RBV 78
 7570.0 RBX 72
 9340.0 RCH 72
 14982.5 RBV 76

- 120/288

0010 FUXX RUTK 1200 850 hPa (H+24)

0030 FUXX RUTK 1200 200 hPa (H+24)

0050 FUXX RUTK 1200 700 hPa (H+48)

0110 FUXX RUTK 1200 500 hPa (H+48)

0130 SDRA RUTK 0000

- 60/576

0140 ASXX RUTK 0000

0230 ASXX RUTK 0000

- 90/576

0315 AUXX RUTK 0000 700 hPa

0400 AUXX RUTK 0000 850 hPa

- 60/576

0435 ASXX RUTK 0300

- 120/576

0525 SMXX RUTK 0300 precipitation and
 minimum temperature during the night

- 120/288

0538 FUXX RUTK 0000 700 hPa (H+24, H+36)

0553 FSXX RUTK 0000 (H+24, H+36)

0608 FUXX RUTK 0000 500 hPa (H+24, H+36)

0620 FUXX RUTK 0000 300 hPa (H+24, H+36)

- 120/576

0636 AUXX RUTK 0000 tropopause

- 120/288

0711 FUXX RUTK 0000

 air trajectories at 700 and 500 hPa (H+36)

0722 FUXX RUTK 0000 850 hPa (H+18)

- 60/576

0735 ASXX RUTK 0600

- 90/576

0825 AUXX RUTK 0000 50 hPa

0900 AUXX RUTK 0000 200 hPa

- 120/288

0935 FUXX RUTK 300 hPa (H+24)

- 60/576

0945 ASXX RUTK 0600

1030 ASXX RUTK 0900

1155 ANXX RUTK nephanalysis

1340 ASXX RUTK 1200

1430 ASXX RUTK 1200

- 90/576

1515 SMXX RUTK 1200 850 hPa

1550 AUXX RUTK 1200 500 hPa

- 60/576

1635 ASXX RUTK 1500

1725 AUXX RUTK 1200 500/1000 hPa

- 120/288

1810 FSXX RUTK 1200 (H+24, H+36)

1825 FUXX RUTK 1200 700 hPa (H+24, H+36)

1840 FUXX RUTK 1200 500 hPa (H+24, H+36)

1855 AXXX RUTK 1200

 vertical motion at 850/700/500 hPa

1905 FUXX RUTK 1200 850 hPa (H+18)

1920 FUXX RUTK 1200 700 hPa (H+18)

- 60/576

1940 ASXX RUTK 1800

2030 ASXX RUTK 1800

- 90/576

2115 AUXX RUTK 1200 100 hPa

2150 AUXX RUTK 1200 maximum wind

- 60/576

2230 ASXX RUTK 2100

- 90/576

2320 FBXX RUTK VT0000 significant weather chart
 and prognosis 300 hPa

- 120/288

2355 FUXX RUTK 1200 200/300 hPa (H+18)

Tbilisi Meteo, GE 3745.0 RIS 70

7495.0 RDK 23

- 90/576

0330 chart Black Sea - Caspian Sea area

- 60/288

0700 surface analysis Black Sea - Caspian Sea area

- 90/576

1545 chart Black Sea - Caspian Sea area

UNITED KINGDOM

Bracknell Meteo 2618.5 GFE 25

4782.0 GFE 21

9203.0 GFE 22

14436.0 GFE 23

18261.0 GFE 24

- 120/576

0000 FUXX EGLL VT1200 NAT FL340 (H+24)

0012 FUXX EGLL VT1200 NAT FL300 (H+24)

0024 FUXX EGLL VT1200 NAT FL390 (H+24)

0036 FUXX EGLL VT1200 NAT FL180 (H+24)

0048 FUXX EGLL VT1200 EUR FL390 (H+24)

0100 FUXX EGLL VT1200 EUR FL340 (H+24)

0112 FUXX EGLL VT1200 EUR FL300 (H+24)

0124 FUXX EGLL VT1200 EUR FL240 (H+24)

0136 FUXX EGLL VT1200 EUR FL180 (H+24)

0148 FUXX EGLL VT1200 EUR FL100 (H+24)

0200 FUXX EGLL VT1200 EUR FL50 (H+24)

0224 FBXX EGLL VT1200 NAT significant weather (H+24)

0236 FBXX EDZW VT1200 MID significant weather (H+24)

0248 FBEX EDZW VT1200 EUR significant weather (H+24)

0300 FBXX EGRR VT1200

 plain language WAFS amendments

0305 FUXX EGLL VT1200 AFI FL300 (H+24)

0317 FUXX EGLL VT1200 AFI FL390 (H+24)

0329 FUXX EGLL VT1200 AFI FL340 (H+24)

- 120/288

0341 ASXX EGRR 0000

- 120/576

0347 BFAF LFPW 1200 AFI significant weather (H+24)

- 120/288

0431 FSXX EGRR 0000 (H+24)

- 120/576
 0518 FUXX EGLL VT0000 EUR FL50 (H+18)
 0530 FUXX EGLL VT0000 MID FL340 (H+18)
 0542 FUXX EGLL VT0000 MID FL300 (H+18)
 0554 FUXX EGLL VT0000 MID FL390 (H+18)
 0606 FUXX EGLL VT0000 NAT FL340 (H+18)
 0618 FUXX EGLL VT0000 NAT FL300 (H+18)
 0630 FUXX EGLL VT0000 NAT FL390 (H+18)
 0642 FUXX EGLL VT0000 NAT FL180 (H+18)
 0654 FUXX EGLL VT0000 EUR FL390 (H+18)
 0706 FUXX EGLL VT0000 EUR FL340 (H+18)
 0718 FUXX EGLL VT0000 EUR FL300 (H+18)
 0730 FUXX EGLL VT0000 EUR FL240 (H+18)
 0742 FUXX EGLL VT0000 EUR FL180 (H+18)
 0754 FUXX EGLL VT0000 EUR FL100 (H+18)
 - 120/288
 0816 FS/FUXX EGRR VT0000
 surface / 1000 - 500 hPa (H+48, H+72)
 - 120/576
 0824 FBXX EGLL VT0000 NAT significant weather (H+18)
 0836 FBXX EDZW VT0000 MID significant weather (H+18)
 0848 FBEU EDZW VT0000 EUR significant weather (H+18)
 0900 FUXX EGLL VT0000 AFI FL340 (H+18)
 0912 FUXX EGLL VT0000 AFI FL300 (H+18)
 0925 FBXX10 EGRR VT0000
 plain language WAFS amendments
 - 120/288
 0930 AX/FXNT EGRR 0000 sea/swell (H+24)
 0941 ASXX EGRR 0600
 - 120/576
 0947 FUXX EGLL VT0000 AFI FL390 (H+18)
 - 120/288
 1010 FXNT EGRR VT0000 sea/swell (H+48)
 - 120/576
 1016 FBAF LFPW VT0000 AFI significant weather (H+18)
 - 120/288
 1031 FSXX EGRR 0600 (H+24)
 1045 FS/FUXX EGRR VT0000
 surface / 1000 - 500 hPa (H+48, H+72)
 - 120/576
 1051 FXNT EGRR ext. North Atlantic interference
 1124 FUXX EGLL VT0000 MID FL340 (H+24)
 1136 FUXX EGLL VT0000 MID FL300 (H+24)
 1148 FUXX EGLL VT0000 MID FL390 (H+24)
 1200 FUXX EGLL VT0000 NAT FL340 (H+24)
 1212 FUXX EGLL VT0000 NAT FL300 (H+24)
 1224 FUXX EGLL VT0000 NAT FL390 (H+24)
 1236 FUXX EGLL VT0000 NAT FL180 (H+24)
 1248 FUXX EGLL VT0000 EUR FL390 (H+24)
 1300 FUXX EGLL VT0000 EUR FL340 (H+24)
 1312 FUXX EGLL VT0000 EUR FL300 (H+24)
 1324 FUXX EGLL VT0000 EUR FL240 (H+24)
 1336 FUXX EGLL VT0000 EUR FL180 (H+24)
 1348 FUXX EGLL VT0000 EUR FL100 (H+24)
 1400 EGRR radio frequency check
 - 120/288
 1412 AXXX EGRR
 sea temperature analysis British waters
 - 120/576
 1424 FBXX EGLL VT0000 NAT significant weather (H+24)
 1436 FBXX EDZW VT0000 MID significant weather (H+24)
 1448 FBEU EDZW VT0000 EUR significant weather (H+24)
 1500 FUXX EGLL VT0000 AFI FL300 (H+24)
 1512 FUXX EGLL VT0000 AFI FL390 (H+24)
 1524 FUXX EGLL VT0000 AFI FL340 (H+24)
 1536 FBXX10 EGRR VT0000
 plain language WAFS amendments
 - 120/288
 1541 ASXX EGRR 1200
 - 120/576
 1547 FBAF LFPW VT0000 AFI significant weather (H+24)
 1552 Copyright 1987 Klingenfuss Publications
 D-7400 Tuebingen Fed. Rep. of Germany
 1602 SXNT EGRR sea ice
 1622 EGRR general notices
 - 120/288
 1631 FSXX EGRR VT1200 (H+24)
 - 120/576
 1718 FUXX EGLL VT1200 EUR FL50 (H+18)
 1730 FUXX EGLL VT1200 MID FL340 (H+18)
 1742 FUXX EGLL VT1200 MID FL300 (H+18)
 1754 FUXX EGLL VT1200 MID FL390 (H+18)
 1806 FUXX EGLL VT1200 NAT FL340 (H+18)
 1818 FUXX EGLL VT1200 NAT FL300 (H+18)
 1830 FUXX EGLL VT1200 NAT FL390 (H+18)
 1842 FUXX EGLL VT1200 NAT FL180 (H+18)
 1900 FUXX EGLL VT1200 EUR FL390 (H+18)
 1912 FUXX EGLL VT1200 EUR FL340 (H+18)
 1924 FUXX EGLL VT1200 EUR FL300 (H+18)
 1936 FUXX EGLL VT1200 EUR FL240 (H+18)
 1948 FUXX EGLL VT1200 EUR FL180 (H+18)
 2000 FUXX EGLL VT1200 EUR FL100 (H+18)
 - 120/288
 2012 AX/FXNT EGRR VT1200 sea/swell (H+24)
 - 120/576
 2024 FBXX EGLL VT1200 NAT significant weather (H+18)
 2036 FBXX EDZW VT1200 MID significant weather (H+18)
 2048 FBEU EDZW VT1200 EUR significant weather (H+18)
 2100 FBAF LFPW VT1200 AFI significant weather (H+18)
 2115 FUXX EGLL VT1200 AFI FL300 (H+18)
 - 120/288
 2141 ASXX EGRR 1800
 - 120/576
 2147 FBXX10 EGRR VT1200
 plain language WAFS amendments
 - 120/288
 2152 FXNT EGRR VT1200 sea/swell (H+48)
 - 120/576
 2158 FUXX EGLL VT1200 AFI FL390 (H+18)
 2210 FUXX EGLL VT1200 AFI FL340 (H+18)
 - 120/288
 2222 FS/FUXX EGRR VT1200
 surface / 1000 - 500 hPa (H+48, H+72)
 2231 FSXX EGRR VT1800 (H+24)
 - 120/576
 2251 FUXX EGLL VT1200 MID FL340 (H+24)
 2303 FUXX EGLL VT1200 MID FL300 (H+24)
 2315 FUXX EGLL VT1200 MID FL390 (H+24)
 2327 FSXX EGRR VT1800 (H+24)

Bracknell Meteo 3289.5 GFA 21
 4610.0 GFA 22
 8040.0 GFA 23
 11086.5 GFA 24
 14582.5 GFA 25

- 120/576
 0305 FUXX KWBC VT1200
 surface / 1000 - 500 hPa (H+36)

- 120/288
 0317 AUEW EGRR 0000
 preliminary 500 hPa / 1000 - 500 hPa

0341 ASXX EGRR 0000
 0431 FSXX EGRR VT0000 (H+24)
 0438 AUXX EGRR 0000 500 hPa / 1000 - 500 hPa
 0448 AUXX EGRR 0000 300 hPa
 0458 AUXX EGRR 0000 200 hPa
 0508 AUXX EGRR 0000 100 hPa
 0518 AUXX EGRR 0000 700 hPa
 0528 AUXX EGRR 0000 850 hPa

0630 FUXX EGRR VT0000
 500 hPa / 1000 - 500 hPa (H+24)
 0640 FUXX EGRR VT0000 300 hPa (H+24)
 0650 FUXX EGRR VT0000 200 hPa (H+24)
 0700 FUXX EGRR VT0000 850 hPa (H+24)
 0710 FS/FUXX EGRR VT0000
 500 hPa / 1000 - 500 hPa (H+48, H+72)

0720 FUXX EGRR VT0000 700 hPa (H+24)
 0806 FUXX EGRR VT0000 100 hPa (H+24)
 0904 ASXX EGRR 0000
 0922 AUXN EGRR 0000 500 hPa
 0930 AX/FXNT EGRR VT0000 sea/swell (H+24)
 0941 ASXX EGRR 0600

- 120/576
 0959 FUXX KWBC VT0000 500 hPa (H+36)

- 120/288
 1010 FXNT EGRR VT0000 sea/swell (H+48)
 1031 FSXX EGRR VT0600 (H+24)

- 120/576
 1037 FUXX KWBC VT0000 500 hPa / vorticity (H+48)
 1103 FUXX KWBC VT0000 500 hPa (H+72)
 1114 FUXX KWBC VT0000
 surface / 1000 - 500 hPa (H+36)

1131 FUXX KWBC 5-day mean 700 hPa height
 1400 EGRR radio frequency check

- 120/288
 1516 AUEU EGRR 1200
 preliminary 500 hPa / 1000 - 500 hPa

- 120/576
 1522 KWBC 30 day temperatures

- 120/288
 1541 ASXX EGRR 1200

- 120/576
 1622 EGRR general notices

- 120/288
 1631 FSXX EGRR VT1200 (H+24)
 1710 AUXX EGRR 1200 500 hPa / 1000 - 500 hPa
 1720 AUXX EGRR 1200 300 hPa
 1730 AUXX EGRR 1200 200 hPa
 1740 AUXX EGRR 1200 700 hPa
 1750 AUXX EGRR 1200 100 hPa
 1800 AUXX EGRR 1200 850 hPa

1820 FUXX EGRR VT1200
 500 hPa / 1000 - 500 hPa (H+24)
 1830 FUXX EGRR VT1200 300 hPa (H+24)
 1840 FUXX EGRR VT1200 200 hPa (H+24)
 1850 FUXX EGRR VT1200 100 hPa (H+24)
 1900 FUXX EGRR VT1200 850 hPa (H+24)
 1910 FUXX EGRR VT1200 700 hPa (H+24)

- 120/576
 1920 AUXX KWBC 1200 500 hPa

- 120/288
 2012 AX/FXNT EGRR VT1200 sea/swell (H+24)
 2141 ASXX EGRR 1800
 2152 FXNT EGRR VT1200 sea/swell (H+48)
 2231 FSXX EGRR VT1800 (H+24)

- 120/576
 2237 FUXX KWBC VT1200 500 hPa / vorticity (H+48)
 2333 FUXX KWBC VT1200 500 hPa (H+36)
 2345 FUXX KWBC VT1200 500 hPa (H+72)

RN London 2813.6 GYA 1
 3436.6 GZZ 6
 4247.6 GZZ 2
 6436.6 GYD 3
 8494.6 GZZ 40
 12741.6 GZZ 44
 16938.6 GYA

- 120/576
 0300 schedule
 0315 surface analysis 0000 40° W to Europe
 0340 4-panel:
 significant surface weather prognosis
 VT1800 (H+24) 40° W to Europe;
 surface wind prognosis VT1800 (H+24)
 40° W to Europe;
 surface wind prognosis VT1200 (H+96)
 40° W to Europe;
 surface wind prognosis VT1200 (H+120)
 40° W to Europe;

0600 selected upper air ascents 0000
 0630 surface analysis 0000 40° W to Europe
 0655 2-panel:
 0° C level prognosis VT1200 NE Atlantic;
 2° C level prognosis VT1200 NE Atlantic

0705 4-panel:
 significant surface weather prognosis
 VT1800 (H+24) 40° W to Europe;
 surface wind prognosis VT1800 (H+24)
 40° W to Europe;
 surface wind prognosis VT1200 (H+96)
 40° W to Europe;
 surface wind prognosis VT1200 (H+120)
 40° W to Europe;

0800 gale warnings summary VT0800 40° W to Europe
 0940 surface analysis 0600 40° W to Europe
 1005 NOAA-6-picture North Atlantic - Europe
 1030 gale warnings summary VT1000 40° W to Europe
 1055 sea surface temperature analysis
 40° W to Europe

1305 4-panel:

significant surface weather prognosis
 VT0600 (H+24) 40° W to Europe;
 surface wind prognosis VT0600 (H+24)
 40° W to Europe;
 surface wind prognosis VT0600 (H+48)
 40° W to Europe;
 surface wind prognosis VT0600 (H+72)
 40° W to Europe;

1330 sea/swell prognosis VT0600

1355 NOAA-6-picture North Atlantic - Europe

1500 surface analysis 1200 40° W to Europe

1525 specials

1550 specials

1635 schedule

1645 selected upper air ascents 1200

1710 NOAA-6-picture North Atlantic - Europe

1735 gale warnings summary VT1700 40° W to Europe

1800 surface analysis 1200 40° W to Europe

1825 4-panel:

significant surface weather prognosis
 VT0600 (H+24) 40° W to Europe;
 surface wind prognosis VT0600 (H+24)
 40° W to Europe;
 surface wind prognosis VT0600 (H+48)
 40° W to Europe;
 surface wind prognosis VT0600 (H+72)
 40° W to Europe;

1850 sea/swell prognosis VT0600

RN London 8334.0 GYA

16115.0 GYA

- 120/576

0530 preliminary surface analysis 0000

Southern South America - South Atlantic

0710 preliminary surface analysis 0000

Southern South America - South Atlantic

0850 surface prognosis VT0000 (H+24)

Southern South America - South Atlantic

0915 surface prognosis VT0000 (H+48)

Southern South America - South Atlantic

0940 satellite picture

1005 schedule

1015 schedule

1050 cloudy purch forecast VT0000

Southern South America - South Atlantic

1110 final surface analysis C000

Southern South America - South Atlantic

1130 preliminary surface analysis 0600

Southern South America - South Atlantic

1225 surface prognosis VT0000 (H+24)

Southern South America - South Atlantic

1250 surface prognosis VT0000 (H+48)

Southern South America - South Atlantic

1400 final surface analysis 0600

Southern South America - South Atlantic

1420 satellite picture

1440 satellite picture

1500 schedule and notices

1520 satellite picture

1730 preliminary surface analysis 1200

Southern South America - South Atlantic

2010 surface prognosis VT1200 (H+24)

Southern South America - South Atlantic

2035 surface prognosis VT1200 (H+48)

Southern South America - South Atlantic

2125 final surface analysis 1200

Southern South America - South Atlantic

2150 surface prognosis VT1200 (H+24)

Southern South America - South Atlantic

2215 surface prognosis VT1200 (H+48)

Southern South America - South Atlantic

RN/USN Thurso 3731.0 GXH

8000.0 GXH

18245.0 GXH

(schedule see under USN Norfolk, VA, USA)

UNITED STATES OF AMERICA

Mobile R, AL 6852.0 WLO

9157.5 WLO

- 120/576

0250 surface analysis 0000

0300 significant weather features

0310 offshore marine forecasts

0850 surface analysis 0600

0900 significant weather features

0910 surface prognosis (H+18, H+36)

0920 coastal marine forecast

1100 Gulf aviation forecasts

1440 FAX schedule (Monday)

1450 surface analysis 1200

1500 significant weather features

1510 offshore marine forecasts

1520 unscheduled forecasts

1800 Gulf aviation forecasts

2030 surface analysis 1800

2040 significant weather features

2050 surface prognosis (H+18, H+36)

2100 coastal waters forecast

2110 ocean thermal products:

- East and West Gulf sea surface temperature,
 East Gulf ocean features (Monday)

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- West Gulf ocean features (Tuesday)

- East Gulf ocean features (Wednesday)

- West Gulf ocean features (Thursday)

- East and West Gulf sea surface temperature
 (Friday)

- East Gulf ocean features (Saturday)

- West Gulf ocean features (Sunday)

NWS Lewes, DE 2614.4 KWX
 4223.0 KWX
 8645.5 KWX
 12894.0 KWX

- 120/576

0645 extended surface prognosis (day 3 - 5)
 0655 oceanographic analysis
 0705 surface analysis
 0717 surface prognosis
 0729 alphanumeric forecast
 0739 North Atlantic analysis
 0751 North Atlantic prognosis
 0803 North Atlantic alphanumeric forecast
 1845 extended surface prognosis (day 3 - 5)
 1855 oceanographic analysis
 1905 surface analysis
 1917 surface prognosis
 1929 alphanumeric forecast
 1939 North Atlantic analysis
 1951 North Atlantic prognosis
 2003 North Atlantic alphanumeric forecast

San Diego R, CA 8644.1 WWD
 17408.6 WWD

- 120/576

0006 wave analysis Central America
 0018 sea surface temperature analysis
 Central America (Monday)
 0030 wind and weather depiction analysis
 Central America
 0042 wave analysis Central America
 0054 sea surface temperature analysis
 Central America (Monday)
 1700 wind and weather depiction analysis
 Central America
 1712 sea surface temperature analysis
 Central America (Monday)
 1724 sea surface temperature analysis
 Central America (Friday)
 2300 wind and weather depiction analysis
 Central America
 2312 mean mixed layer depth analysis Central America
 (Friday)
 sea surface temperature analysis
 Central America (Thursday)
 2330 prognosis (H+24) Central America
 2342 wave prognosis (H+24) Central America
 2354 sea surface prognosis Central America

USCG Boston, MA 3242.5 NMF
 7530.0 NMF

- 120/576

0530 analysis New England Waters
 0540 prognosis (H+12) New England Waters
 0550 prognosis (H+36) New England Waters
 0600 prognosis New England Waters
 1730 analysis New England Waters

1740 prognosis (H+24) New England Waters
 1750 prognosis (H+48) New England Waters
 1800 analysis New England Waters (Monday - Friday)
 schedule (Saturday + Sunday)

USCG San Francisco, CA 4346.0 NMC
 8682.0 NMC
 12730.0 NMC
 17151.2 NMC

- 120/576

0145 test pattern
 0150 surface forecast VT0000
 0200 sea forecast VT0000
 0300 test pattern
 0305 sea surface temperature analysis
 0315 sea surface temperature analysis
 0325 sea weather forecast VT1200
 0335 sea weather forecast VT1200
 0500 test pattern
 0505 0000 surface analysis
 0515 extended surface forecast
 0525 0300 surface analysis
 1500 test pattern
 1505 sea surface temperature analysis
 1515 satellite picture
 1715 test pattern
 1720 1200 tropical analysis
 1730 1200 surface analysis
 1740 satellite picture
 1750 cloudy punch forecast
 2015 test pattern
 2020 radiofax schedule
 2030 500 hPa maximum wind
 2040 satellite picture
 2330 test pattern
 2335 1800 tropical analysis
 2345 1800 surface analysis

USN Norfolk, VA 3357.0 NAM
 8080.0 NAM
 10865.0 NAM
 16410.0 NAM
 20015.0 NAM

- 120/576

0000 NFAF schedule
 0015 850 hPa height/temperature/wind prognosis
 VT0000 (H+36)
 0030 500 hPa height/temperature/wind prognosis
 VT0000 (H+36)
 0045 500 hPa height/temperature/wind prognosis
 VT0000 (H+48)
 0100 NMC 500 hPa height/isotach prognosis
 VT0000 (H+36)
 0110 open period
 0115 - TSNS (Monday, Friday)
 - TSIB (Tuesday, Saturday)
 - TSNF (Sunday, Thursday)
 - open period (Wednesday)

0130 - full sea surface temperature analysis
 Gulf Stream (Tuesday, Saturday)
 - sea surface temperature analysis Gulf Stream
 (Monday, Friday)
 - TSGS (Sunday, Thursday)
 - open period (Wednesday)
 0145 GOES satellite picture (ch 15)
 0200 NMC radar summary
 0210 NMC extended surface upper/air prognosis
 0220 Bracknell significant wave prognosis
 VT1200 (H+48)
 0230 NMC 500 hPa height change VT0000 (H+24)
 0245 GOES satellite picture (ch 15)
 0300 NMC significant weather prognosis
 (surface - 400 hPa) VT1200 (H+12)
 0315 NEOC prognosis blend VT0000 (H+36)
 0330 NEOC nephanalysis 0000
 0345 open period
 0400 NMC radar summary
 0415 NEOC surface pressure analysis 0000
 C430 tropical surface pressure/wind analysis 0000
 0445 open period
 0500 GOES full disk (ch 11)
 0515 NMC NGM prognosis VT0000 (H+24)
 0530 Bracknell surface prognosis VT0000 (H+24)
 0545 GOES satellite picture (ch 15)
 0600 NMC NGM prognosis VT0000 (H+48)
 0615 NMC radar summary
 0630 850 hPa height/temperature/wind analysis 0000
 0645 700 hPa height/temperature/wind analysis 0000
 0700 500 hPa height/temperature/wind analysis 0000
 0715 300 hPa height/temperature/wind analysis 0000
 0730 surface pressure/wind prognosis VT1200 (H+12)
 0745 GOES satellite picture (ch 15)
 0800 surface pressure/wind prognosis VT0000 (H+24)
 0815 surface pressure/wind prognosis VT0000 (H+48)
 0830 NMC significant weather prognosis VT0000 (H+24)
 0840 NMC significant weather prognosis (H+36, H+48)
 0850 NMC radar summary
 0905 significant wave height prognosis VT0000 (H+24)
 0920 preliminary surface pressure analysis 0600
 0935 200 hPa height/temperature/wind prognosis
 VT0000 (H+24)
 0950 open period
 1000 NEOC high winds/seas prognosis VT0000 (H+12)
 1015 850 hPa height/temperature/wind prognosis
 VT0000 (H+24)
 1030 700 hPa height/temperature/wind prognosis
 VT0000 (H+24)
 1045 500 hPa height/temperature/wind prognosis
 VT0000 (H+24)
 1100 400 hPa height/temperature/wind prognosis
 VT0000 (H+24)
 1115 GOES satellite picture (ch 15)
 1130 300 hPa height/temperature/wind prognosis
 VT0000 (H+24)
 1145 freezing level prognosis VT0000 (H+24)
 1200 open period
 1215 850 hPa height/temperature/wind prognosis
 VT1200 (H+36)
 1230 500 hPa height/temperature/wind prognosis
 VT1200 (H+36)
 1245 500 hPa height/temperature/wind prognosis
 VT1200 (H+48)
 1300 NMC 500 hPa height/isotach prognosis
 VT1200 (H+36)
 1310 open period
 1315 - NMC boundary layer analysis
 (Sunday, Wednesday, Friday)
 - sea temperature analysis (Monday, Thursday)
 - primary layer depth analysis
 (Tuesday, Saturday)
 1330 open period
 1345 GOES satellite picture (ch 15)
 1400 NMC radar summary
 1415 NMC 200 hPa tropical analysis
 1430 NMC 500 hPa height change VT1200 (H+24)
 1445 GOES satellite picture (ch 15)
 1500 NMC significant weather prognosis
 (surface - 400 hPa) VT0000 (H+12)
 1515 NEOC prognosis blend VT1200 (H+36)
 1530 NEOC nephanalysis 1200
 1545 open period
 1600 NMC radar summary
 1615 NEOC surface pressure analysis 1200
 1630 tropical surface pressure/wind analysis 1200
 1645 open period
 1700 GOES full disk (ch 11)
 1715 NMC NGM prognosis VT1200 (H+24)
 1730 Bracknell surface prognosis VT1200 (H+24)
 1745 GOES satellite picture (ch 15)
 1800 NMC NGM prognosis VT1200 (H+48)
 1815 NEOC sea height analysis 1200
 1830 850 hPa height/temperature/wind analysis 1200
 1845 700 hPa height/temperature/wind analysis 1200
 1900 500 hPa height/temperature/wind analysis 1200
 1915 300 hPa height/temperature/wind analysis 1200
 1930 surface pressure/wind prognosis VT0000 (H+12)
 1945 GOES satellite picture (ch 15)
 2000 surface pressure/wind prognosis VT1200 (H+24)
 2015 surface pressure/wind prognosis VT1200 (H+48)
 2030 NMC significant weather prognosis VT1200 (H+24)
 2040 NMC significant weather prognosis (H+36, H+48)
 2050 NEOC prognosis blend VT1200 (H+84)
 2105 significant wave height prognosis VT1200 (H+24)
 2120 preliminary surface pressure analysis 1800
 2135 200 hPa height/temperature/wind prognosis
 VT1200 (H+24)
 2150 open period
 2200 NEOC high winds/seas prognosis VT1200 (H+12)
 2215 850 hPa height/temperature/wind prognosis
 VT1200 (H+24)
 2230 700 hPa height/temperature/wind prognosis
 VT1200 (H+24)
 2245 500 hPa height/temperature/wind prognosis
 VT1200 (H+24)
 2300 400 hPa height/temperature/wind prognosis
 VT1200 (H+24)
 2315 GOES satellite picture (ch 15)
 2330 300 hPa height/temperature/wind prognosis
 VT1200 (H+24)
 2345 freezing level prognosis VT1200 (H+24)

XII. NAVTEX transmissions on 518 kHz

The NAVTEX system is the transmission of navigational and meteorological warnings and urgent information from selected coast stations to ships on 518.0 kHz. The modulation and system is NBDPT SITOR-B; for the complete description of the standard operational and technical characteristics please refer to chapter VII paragraph 6 in our RADIOTELETYPE CODE MANUAL.

The current NAVTEX schedule follows. Listed are

- call sign;
- name of the station and ITU country/geographical symbol;
- B1 character = transmitter coverage area identifier;
- duration of transmission in minutes;
- times of transmission.

CBV	DGTMMM Valparaiso R, CHL	B		0010	0410	0810	1210	1610	2010
CWM	UN Montevideo, URG		45	0000	0600	1200	1800		
CWM 23	UN Colonia, URG		45	0400	1000	1600	2200		
CWM 27	UN La Paloma, URG		45	0200	0800	1400	2000		
CWM 30	UN Punta del Este, URG		45	0500	1100	1700	2300		
CWM 31	UN Salto, URG		30	0300	0900	1500	2100		
CWM 32	UN Laguna del Sauce, URG		30	0500	1100	1700	2300		
FFU	Brest - Le Conquet R, F	F	15	0118	0518	0918	1318	1718	2118
GCC	Cullercoats R, G	G	15	0048	0448	0848	1248	1648	2048
GLD	Land's End R, G	S	15	0018	0418	0818	1218	1618	2018
GPK	Portpatrick R, G	O	15	0130	0530	0930	1330	1730	2130
HZG	Dammam R, ARS	G	15	0005	0605	1205	1805		
HZH	Jeddah R, ARS	H	15	0105	0705	1305	1905		
LCQ	Rogaland R, NOR	L	10	0148	0548	0948	1348	1748	2148
L2B	Buenos Aires R, ARG	A	45	0100	0700	1300	1900		
L2I	Bahia Blanca R, ARG	C	45	0300	0900	1500	2100		
L2P	Mar del Plata R, ARG	B	45	0200	0800	1400	2000		
L2W	Comodoro Rivadavia R, ARG	D	45	0400	1000	1600	2200		
L3D	Rio Gallegos R, ARG	E	45	0500	1100	1700	2300		
NMF	USCG Boston, MA, USA	F	30	0100	0700	1300	1900		
NMG	USCG New Orleans, LA, USA	G	30	0000	0600	1200	1800		
OST	Oostende R, BEL	T	7	0248	0648	1048	1448	1848	2248
PCH	Scheveningen R, HOL	P	5	0300	0700	1100	1500	1900	2300
SAH	Härnösand R, S	H	15	0000	0400	0800	1200	1600	2000
SDJ	Stockholm R, S	J	15	0330	0730	1130	1530	1930	2330
TFA	Reykjavik R, ISL	R	12	0318	0718	1118	1518	1918	2318
UBE 4	Petropavl.-Km. R, FE, URS	P	30	0300	0700	1100	1500	1900	2300
UDC	Zhdanov R, UK, URS	B	30	0218	0518	0818	1118	1418	1718
				2018	2318				
UDE	Odessa R, UK, URS	C	30	0018	0318	0618	0918	1218	1518
				1818	2118				
UFA	Batumi R, GE, URS	A	30	0118	0418	0718	1018	1318	1618
				1918	2218				
UFO	Kholmsk R, FE, URS	C	30	0130	0430	0730	1030	1330	1630
				1930	2230				
UGE	Arkhangelsk R, RU, URS	F	30	0200	0600	1000	1400	1800	2200
UIK	Vladivostok R, SE, URS	A	30	0000	0400	0800	1200	1600	2000
UMN	Murmansk R, RU, URS	C	30	0120	0520	0920	1320	1720	2120
UNC	Tallinn R, ES, URS	U	30	0030	0430	0830	1230	1630	2030
YUS	Split R, YUG	Y	10	0100	0700	1300	1900		

XIII. Q code

The QAA to QNZ series are reserved for the aeronautical service and the QOA to QQZ series are reserved for the maritime services. The series of groups QRA to QUZ are for use by all services.

Certain Q code abbreviations may be given an affirmative or negative sense by sending YES or NO respectively, immediately following the abbreviation.

The meanings assigned to Q code abbreviations may be amplified or completed by the addition of appropriate other groups, call signs, place names, figures, numbers, etc. It is optional to fill in the blanks shown in parentheses. Any data which is filled in where blanks appear shall be sent in the same order as shown in the text of the following tables.

Q code abbreviations are given the form of a question when followed by a question mark. When an abbreviation is used as a question and is followed by additional or complementary information, the question mark should follow this information.

Q code abbreviations with numbered alternative significations shall be followed by the appropriate figure to indicate the exact meaning intended. This figure shall be sent immediately following the abbreviation.

All times shall be given in Coordinated Universal Time (UTC) unless otherwise indicated in the question or reply.

In the following table, the meaning of a Q code abbreviation is given in the answer, information or advice form.

QAB	You are cleared (OR ... is cleared) by ... from ... (PLACE) to ... (PLACE) at flight level/altitude ...
QAF	I am (was) at (over) ... (PLACE) (at ... hours) at flight level/altitude ...
QAG	I am arranging my flight in order to arrive over ... (PLACE) at ... hours
QAH	I am at flight level/altitude ...
QAI	The essential traffic respecting your aircraft is ...
QAK	There is risk of collision
QAL	I am going to land at ... (PLACE)
QAM	Meteorological observation made at ... (PLACE) at ... hours was as follows
QAN	The surface wind direction and speed at ... (PLACE) at ... hours is ... (DIRECTION) ... (SPEED FIGURES AND UNITS)
QAO	The wind direction and speed at ... (POSITION OR ZONE/S) at flight level/altitude ... is ... (VERTICAL DISTANCE IN FIGURES AND UNITS) ... degrees true ... (SPEED IN FIGURES AND UNITS)
QAP	Listen for me (OR for ...) on ... kHz (... MHz)
QAY	You are 1. near 2. flying within area ... (IDENTIFICATION OF AREA)
QAR	You may stop listening on the watch frequency for ... minutes
QAU	I am about to jettison fuel
QAW	I am about to carry out overshoot procedure
QAY	I passed ... (PLACE) bearing ... degrees relative to my heading at ... hours
QAZ	I am experiencing communication difficulties through flying in a storm
QBA	The horizontal visibility at ... (PLACE) at ... hours is ... (DISTANCE FIGURES AND UNITS)
QBB	The amount, type and height above official aerodrome elevation of the base of the cloud at ... (PLACE) at ... hours is ... eighths (... type) at ... (FIGURES AND UNITS) height above official aerodrome elevation
QBC	The meteorological conditions as observed from my aircraft at ... (POSITION OR ZONE) at ... hours at ... (FIGURES AND UNITS) height above ... (DATUM) are ...
QBD	My fuel endurance is ... (HOURS AND/OR MINUTES)
QBE	I am about to wind in my aerial

QBF I am flying in cloud at flight level/altitude ... (and I am ascending (descending) to flight level/altitude ...)

QBG I am flying above cloud and at flight level/altitude ...

QBH I am flying below cloud and at flight level/altitude ...

QBI Flight under IFR is compulsory at ... (PLACE) (OR from ... to ... (PLACE))

QBJ At ... hours at ... (POSITION OR ZONE) the top of the cloud is amount ... eighths (... type) at ... (FIGURES AND UNITS) height above ... (DATUM)

QBK I am flying with no cloud in my vicinity and at flight level/altitude ...

QBM Here is the message sent by ... at ... hours

QBN I am flying between two layers of cloud and at flight level/altitude ...

QBO Flying under VFR is permissible at ... (PLACE) which would be suitable for your landing

QBP I am flying in and out of cloud and at flight level/altitude ...

QBS Ascend (OR descend) to ... (FIGURES AND UNITS) height above ... (DATUM) before encountering instrument meteorological conditions or if visibility falls below ... (FIGURES AND UNITS OF DISTANCE) and advise

QBT The runway visual range at ... (PLACE) at ... hours is ... (DISTANCE FIGURES AND UNITS)

QBV I have reached flight level/altitude ... (OR ... (AREA OR PLACE))

QBX I have left flight level/altitude ... (OR ... (AREA OR PLACE))

QBZ I am reporting my flying conditions in relation to clouds

QCA I am changing my flight level/altitude from ... to ...

QCB Delay is being caused by 1. your transmitting out of turn
2. your slowness in answering
3. lack of your reply to my ...

QCE Expect approach clearance at ... hours

QCF Delay indefinite. Expect approach clearance not later than ... hours

QCH Cleared to taxi to ... (PLACE)

QCI I am making a 360-degree turn immediately (turning to the ...)

QCS My reception on ... frequency has broken down

QCX My full call sign is ...

QCY I am working on trailing aerial

QDB I have sent message ... to ...

QDF My D-value at ... (POSITION) at ... (FIGURES AND UNITS) height above the 1013.2 millibars datum is ... (D-VALUE FIGURES AND UNITS) ... (SPECIFY PLUS OR MINUS)

QDL I intend to ask you for a series of bearings

QDM The magnetic heading for you to steer to reach me (OR ...) with no wind was ... degrees (at ... hours)

QDP I will accept control (OR responsibility) of (for) ... now (OR at ... hours)

QDR Your magnetic bearing from me (OR from ...) was ... degrees (at ... hours)

QDT I am flying in visual meteorological conditions

QDU Cancelling my IFR flight

QDV I am flying in a flight visibility of less than ... (FIGURES AND UNITS) at flight level/altitude ...

QEA You may cross the runway ahead of you

QEB Taxi as follows at the intersection ... (turn left LEFT
turn right RITE)

QEC You may make a 180-degree turn and return down the runway

QED Follow the pilot vehicle

QEF I have reached my parking area

QEG I have left the parking area

QEH I have moved to the holding position for runway number ...

QEJ I am assuming take-off position for runway number ... and am holding

QEK I am ready for immediate take-off

QEL You are cleared to take-off (turn as follows after take-off ...)

QEM The condition of the landing surface at ... (PLACE) is ...

QEN Hold your position

QEO I have cleared the runway (OR landing area)

QEQ Copyright 1987 Klingenfuss Publications D-7400 Tuebingen Federal Republic of

QES A right-hand circuit is in Germany force at ... (PLACE)

QFA The meteorological forecast for ... (FLIGHT, ROUTE, SECTION OF ROUTE OR ZONE) for the period ... hours until ... hours is ...

QFB The 1. approach
2. runway lights are out of order
3. approach and runway

QFC At ... (PLACE, POSITION OR ZONE) the base of the cloud is ... eighths ... type at ... (FIGURES AND UNITS) height above ... (DATUM)

QFD 1. The ... visual beacon (at ... (PLACE)) is in operation
2. I will extinguish the aerodrome visual beacon (at ... (PLACE)) until your landing is completed

QFE If you set the subscale of your altimeter to read ... millibars, the instrument would indicate its height above aerodrome elevation (above threshold, runway number ...)

QFF At ... (PLACE) the atmospheric pressure converted to mean sea level in accordance with meteorological practice is ... (OR was determined at ... hours to be) ... millibars

QFG You are overhead

QFH You may descend below the clouds

QFI The aerodrome lights are lit

QFM 1. Maintain (OR fly at) flight level/altitude ...
2. I am maintaining flight level/altitude ...
3. I intend cruising at flight level/altitude ...

QFO You may land immediately

QFP The latest information concerning ... facility (at ... (PLACE)) is as follows ...

QFQ The approach and runway lights are lit

QFR Your landing gear appears damaged

QFS The radio facility at ... (PLACE) is in operation (OR will be in operation in ... hours)

QFT Ice formation has been observed at ... (POSITION OR ZONE) in the type of ... and with an accretion rate of ... between ... (FIGURES AND UNITS) heights above ... (DATUM)

QFU The magnetic direction (OR number) of the runway to be used is ...

QFV The floodlights are switched on

QFW The length of runway ... now in use is ... (FIGURES AND UNITS)

QFX I am working (OR am going to work) on a fixed aerial

QFY The present meteorological landing conditions at ... (PLACE) are ...

QFZ The aerodrome meteorological forecast for ... (PLACE) for the period ... hours until ... hours is ...

QGC There are obstructions to the ... of runway ...

QGD There are obstructions on your track ... (FIGURES AND UNITS) height above ... (DATUM)

QGE Your distance to my station (OR to ...) is ... (DISTANCE FIGURES AND UNITS)

QGH You may land using ... (PROCEDURE OR FACILITY)

QGK I am making good a track from ... (PLACE) on ... degrees ... (TRUE OR MAGNETIC)

QGL You may enter the ... (CONTROL AREA OR ZONE) at ... (PLACE)

QGM Leave the ... (CONTROL AREA OR ZONE)

QGN You are cleared to land (at ... (PLACE))

QGO Landing is prohibited at ... (PLACE)

QGP You are number ... to land

QGQ Hold at ... (PLACE) at flight level/altitude ..., and await further clearance

QGT Fly for ... minutes on a heading that will enable you to maintain a track reciprocal to your present one

QGU Fly for ... minutes on a magnetic heading of ... degrees

QGV I see you at ... (CARDINAL OR QUADRANTAL POINT OF DIRECTION) OR
I can see the aerodrome OR
I see ... (aircraft)

QGW Your landing gear appears to be down and in place

QGZ Hold on ... direction of ... facility

- QHE I am on 1. cross-wind leg
2. down-wind leg
3. base leg of approach
4. final leg
- QHG Cleared to enter traffic circuit at flight level/altitude ...
- QHH I am making an emergency landing
- QHI I am (OR ... is) 1. waterborne
2. on land at ... hours
- QHQ I am making a ... approach
- QHZ Circle the aerodrome (OR go around)
- QIC I will establish communication with ... radio station on ... kHz (OR ... MHz) now (OR at ... hours)
- QIF ... is using ... kHz (OR ... MHz)
- QJA Your 1. tape
2. mark and space is reversed
- QJB I will use 1. radio
2. cable
3. telegraph
4. teletypewriter
5. telephone
6. receiver
7. transmitter
8. reperforator
- QJC I will check my 1. transmitter distributor
2. auto-head
3. perforator
4. reperforator
5. printer
6. printer motor
7. keyboard
8. antenna system
- QJD You are transmitting 1. in letters
2. in figures
- QJE Your frequency shift is 1. too wide
2. too narrow (by ... cycles)
3. correct
- QJF My signal as checked by monitor ... is satisfactory 1. locally
2. as radiated
- QJG Revert to automatic relay
- QJH Run 1. your test tape
2. a test sentence
- QJI I am transmitting a continuous 1. mark
2. space
- QJK I am receiving 1. a continuous mark
2. a continuous space
3. a mark bias
4. a space bias
- QKC The sea conditions (at ... position) ...
1. permit alighting but not take-off
2. render alighting extremely hazardous
- QKF You may expect to be relieved at ... hours
(by 1. aircraft ... (IDENTIFICATION) (type ...)
2. vessel whose call sign is ... (CALL SIGN) (AND/OR whose name is ... (NAME))
- QKG Relief will take place when ... (IDENTIFICATION) establishes
1. visual
2. communications contact with survivors
- QKH The parallel sweep (track) search is being (OR to be) conducted
1. with direction of sweeps ... degrees ... (TRUE OR MAGNETIC)
2. with ... (DISTANCE FIGURES AND UNITS) separation between sweeps
3. at flight level/altitude ...

QKN Aircraft plotted (believed to be you) in position ... on track ... degrees at ... hours

QKO In the operation (... (IDENTIFICATION)), the following units are (OR will be) taking part ... (NAME OF UNITS)

QKP The search pattern is 1. parallel sweep
2. square search
3. creeping line ahead
4. track crawl
5. contour search
6. combined search by aircraft and ship
7. ... (SPECIFY)

QLB I have monitored ... station and report (BRIEFLY) as follows ...

QLH I will know key simultaneously on ... frequency and ... frequency

QLV The ... radio facility is still required

QMH Shift to transmit and receive on ... kHz (OR ... MHz); if communication is not established within 5 minutes, revert to present frequency

QMI The vertical distribution of cloud as observed from my aircraft at ... hours at ... (POSITION OR ZONE) is: lowest layer observed ... eighths (... type) with base of ... (FIGURES AND UNITS) and tops of ... (FIGURES AND UNITS) height above ... (DATUM)

QMU The surface temperature at ... (PLACE) at ... hours is ... degrees and the dew point temperature at that time and place is ... degrees

QMW At ... (POSITION OR ZONE) the zero Celsius isotherm(s) is (are) at flight level(s)/altitude(s) ...

QMX At ... (POSITION OR ZONE) at ... hours the air temperature is ... (DEGREES AND UNITS) at flight level/altitude ...

QMZ The following amendment(s) should be made to the flight forecast ...

QNE On landing at ... (PLACE) at ... hours, with your subscale being set to 1013.2 millibars, your altimeter will indicate ... (FIGURES AND UNITS)

QNH If you set the subscale of your altimeter to read ... millibars, the instrument would indicate its elevation if your aircraft were on the ground at my station at ... hours

QNI Turbulence has been observed at ... (POSITION OR ZONE) with an intensity of ... between ... (FIGURES AND UNITS) and ... (FIGURES AND UNITS) heights above ... (DATUM)

QNO I am not equipped to give the information (OR provide the facility) requested

QNR I am approaching my point of no return

QNT The maximum speed of the surface wind at ... (PLACE) at ... hours is ... (SPEED FIGURES AND UNITS)

QNY The present weather and intensity thereof at ... (PLACE, POSITION OR ZONE) at ... hours is ...

QOA I can communicate by radiotelegraphy (500 kHz)

QOB I can communicate by radiotelephony (2182 kHz)

QOC I can communicate by radiotelephony (channel 16 - frequency 156.80 MHz)

QOD I can communicate with you in 0. Dutch
1. English
2. French
3. German
4. Greek
5. Italian
6. Japanese
7. Norwegian
8. Russian
9. Spanish

QOE I have received the safety signal sent by ... (NAME AND/OR CALL SIGN)

QOF The quality of your signal is 1. not commercial
2. marginally commercial
3. commercial

QOG I have ... tapes to send

QOH Send a phasing signal for ... seconds

QOI Send your tape

QOJ	I am listening on ... kHz (OR ... MHz) for signals of emergency position-indicating radiobeacons
QOK	I have received the signals of an emergency position-indicating radiobeacon on ... kHz (OR ... MHz)
QOL	My vessel is fitted for the reception of selective calls. My selective call number or signal is ...
QOM	My vessel can be reached by a selective call on the following frequency/ies ... (PERIODS OF TIME TO BE ADDED IF NECESSARY)
QOO	I can send on any working frequency
QOT	I hear your call; the approximate delay is ... minutes
QRA	The name of my station is ...
QRB	The approximate distance between our stations is ... nautical miles (OR ... kilometres)
QRC	The accounts for charges of my station are settled by the private enterprise ... (OR state administration)
QRD	I am bound for ... from ...
QRE	My estimated time of arrival at ... (OR over ...) (PLACE) is ... hours
QRF	I am returning to ... (PLACE)
QRG	Your exact frequency (OR that of ...) is ... kHz (OR ... MHz)
QRH	Your frequency varies
QRI	The tone of your transmission is 1. good 2. variable 3. bad
QRJ	I have ... radiotelephone calls to book
QRK	The intelligibility of your signals (OR those of ...) is 1. bad 2. poor 3. fair 4. good 5. excellent
QRL	I am busy (OR I am busy with ...). Please do not interfere
QRM	I am being interfered with 1. nil 2. slightly 3. moderately 4. severely 5. extremely)
QRN	I am troubled by static 1. nil 2. slightly 3. moderately 4. severely 5. extremely)
QRO	Increase transmitter power
QRP	Decrease transmitter power
QRQ	Send faster (... words per minute)
QRR	I am ready for automatic operation. Send at ... words per minute
QRS	Send more slowly (... words per minute)
QRT	Stop sending
QRU	I have nothing for you
QRV	I am ready
QRW	Please inform ... that I am calling him on ... kHz (OR ... MHz)
QRX	I will call you again at ... hours (on ... kHz (OR ... MHz))
QRY	Your turn is number ... (OR ACCORDING TO ANY OTHER INDICATION)
QRZ	You are being called by ... (on ... kHz (OR ... MHz))
QSA	The strength of your signal (OR those of ...) is 1. scarcely perceptible 2. weak 3. fairly good 4. good 5. very good
QSB	Your signals are fading
QSC	I am a cargo vessel
QSD	Your keying is defective
QSE	The estimated drift of the survival craft is ... (FIGURES AND UNITS)

QTX I will keep my station open for further communication with you until further notice (OR until ... hours)

QTY I am proceeding to the position of incident and expect to arrive at ... hours (on ... (DATE))

Q TZ I am continuing the search for ... (aircraft, ship, survival craft, survivors or wreckage)

QUA Here is news of ... (CALL SIGN)

QUB Here is the information requested: ...

QUC The number (OR OTHER INDICATION) of the last message I received from you (OR from ... (CALL SIGN)) is ...

QUD I have received the urgency signal sent by ... (CALL SIGN OF MOBILE STATION) at ... hours

QUE I can use telephony in ... (LANGUAGE) on ... kHz (or ... MHz)

QUF I have received the distress signal sent by ... (CALL SIGN) OF MOBILE STATION) at ... hours

QUG I am forced to alight (OR land) immediately

QUH The present barometric pressure at sea level is ... (UNITS)

QUI My navigation lights are working

QUJ The true track to reach me (OR ...) is ... degrees at ... hours

QUK The sea at ... (PLACE OR COORDINATES) is ...

QUL The swell at ... (PLACE OR COORDINATES) is ...

QUM Normal working may be resumed

QUN My position, true course and speed are ...

QUO Please search for 1. aircraft
2. ship
3. survival craft
in the vicinity of ... latitude, ... longitude (OR ACCORDING TO ANY OTHER INDICATION)

QUP My position is indicated by 1. searchlight
2. black smoke trail
3. pyrotechnic lights

QUQ Please train your searchlight on a cloud, occulting if possible and, if my aircraft is seen or heard, deflect the beam up wind and on the water (OR land) to facilitate my landing

QUR Survivors 1. are in possession of survival equipment dropped by ...
2. have been picked up by rescue vessel
3. have been reached by ground rescue party

QUS Have sighted 1. survivors in water
2. survivors on rafts
3. wreckage
in position ... latitude, ... longitude (OR ACCORDING TO ANY OTHER INDICATION)

QUT Position of incident is marked by 1. flame or smoke float
2. sea marker
3. sea marker dyce
4. ... (SPECIFY OTHER MARKING)

QUU Home ship or aircraft ... (CALL SIGN)
1. to your position by transmitting your call sign and long dashes on ... kHz (OR ... MHz)
2. by transmitting on ... kHz (OR ... MHz) true track to reach you

QUW I am in the ... (DESIGNATION) search area

QUX I have the following navigational warning(s) or gale warning(s) in force: ...

QUY Position of survival craft was marked at ... hours by
1. flame or smoke float
2. sea marker
3. sea marker dyce
4. ... (SPECIFY OTHER MARKING)

QUZ Distress phase still in force; restricted working may be resumed

XIV. Z code

This code, formerly developed as a service code of Cable & Wireless Ltd., is used nowadays for overall ratings in radiotelegraphy and radiotelephony.

In the following table, the meaning of a Z code abbreviation is given in the answer, information or advice form, if different forms exist. An asterisk * indicates military usage. When numbers 1-5 follow the Z code abbreviation, they are to be keyed according to the following scale: 1. Very slight

2. Slight
3. Moderate
4. Severe
5. Extreme

ZAA*	You are not observing circuit discipline
ZAB*	Your speed key is improperly adjusted
ZAC	Advise (CALL SIGN OF) the frequency you are reading .. running dual for you
ZAC*	Cease using speed key
ZAD*	Signal 1. not understood 2. not held
ZAE*	Unable to receive you, try via ...
ZAF*	Reroute the circuit by patching
ZAH*	Unable to relay, we file
ZAI*	Run (FOXES, RY'S, MK, ETC.)
ZAJ*	Have been unable to break you
ZAK	Transmission interrupted at ... hours
ZAL	Alter your wavelength
ZAL*	Closing down due to ...
ZAN	We can receive absolutely nothing
ZAN*	Only transmit telegrams with precedence ... (Z, Y, O, P, R, M) or higher
ZAO*	Can't understand voice, use telegraphy
ZAP	Acknowledge, please
ZAP*	Use traffic 1. simplex 2. duplex 3. diplex 4. multiplex 5. SSB ISB
ZAQ*	The last word 1. I received 2. transmitted was ...
ZAR	Revert to automatic relay
ZAS*	Rerun tapes on ... since ...
ZAT*	Punching tape for transmission
ZAV*	Send blind until advised
ZAX	You are causing interference 1. listen before transmitting 2. by ignoring my wait signal 3. by transmitting simultaneously with ... 4. by answering too slowly 5. by answering too slowly my call to you. You're causing a delay 6. by not answering on your turn
ZAY*	Send on ... kHz. Will confirm later
ZBA	Cause of delay is ...
ZBB	Make ... copies of the following message
ZBD*	Following was sent ... hours
ZBE*	Retransmit message ... to ... for 1. action 2. information 3. comment
ZBF	Use large message formula for the following telegram
ZBG*	You are sending upper case
ZBH*	Make call before transmitting traffic

ZBI*	Listen for telephony
ZBL*	Do not use break-in
ZBM*	Put ... (SPEED OPR.) this frequency
ZBN	Break and go ahead with new slip
ZBN*	Your tape reversed
ZBO*	I have traffic
ZBP*	1. Characters indistinct 2. Spacing bad
ZBQ*	When and on what frequency was message received ?
ZBR	Break circuit, retuning
ZBR*	Transmit your message via the 1. R (receipt) 2. F (not answer) 3. I (interruption) method 4. G (read back)
ZBS	Your signals blurring
ZBT*	Count ... as ... groups
ZBU*	Report when in communication with ...
ZBV*	Answer on ... MHz
ZBW*	I (OR station ...) changes for transmission on ... kHz
ZBX*	I (OR station ...) changes for reception to ... kHz
ZBY	Break, go back yard (OR metre)
ZCA	Circuit seriously affected. All signals or channels from ... unreadable. Please try to supply us with a readable signal or any frequency that circuit for contact
ZCB	Circuit interrupted (OR broken). Signals unheard. Please cover and supply any ... heard
ZCC	Collate code
ZCD	Your collation is different
ZCF	Check your center frequency, please
ZCI	Circuit interrupted. We are advised that ... running and available. Please cover also and supply the signal which first becomes usable.
ZCK	Check keying
ZCL	Transmit call letters intelligibly (international morse code, at speed not exceeding 24 words per minute, or by voice) for station identification
ZCO	Your collation omitted
ZCP	Local receiving conditions poor; please increase to maximum
ZCR	Now using concentrator. Please make warning signals
ZCS	Cease sending
ZCT	Send code twice
ZCW	Are you in direct communication with ... ?
ZDA*	Here formal message, priority ...
ZDB*	Accelerate answering my 1. preceded Z code 2. requests for repeat and correction 3. signal serving message
ZDC	We are diagnosing circuit faults, and will advise shortly
ZDC*	Last message transmitted requests execution signal
ZDE	Message undelivered; 1. will keep trying 2. advise disposal 3. cancelling 4. btr ads
ZDE*	Message ... undelivered
ZDF	Your frequency is drifting to degree indicated
ZDF*	Message ... received by addressee
ZDG*	Accuracy of following doubtful
ZDH	Your dots are too heavy (long), adjust lighter
ZDJ*	I have a message of ... groups for you
ZDK*	The following is a repeat as requested
ZDL	Your dots are too light (short), adjust heavier
ZDL*	Approval 1. is omitted 2. differs in its contents
ZDM	Your dots missing
ZDM*	This is a multiple-addressee message

ZDN* Report disposal of message ...
 ZDO* I have been unable to transmit the message to ...
 ZDQ* Message ... relayed to ... at ...
 ZDS* Message just transmitted erroneous. Correct version is ...
 ZDT Following transmitters running dual
 ZDT* Don't transmit exercise messages until advised
 ZDV Your dots varying length, please remedy
 ZDV* Private message received for ..., advise
 ZDY* No private messages until ordered
 ZEC* Message 1. not received
 2. undeliverable
 ZED We are experiencing drop-outs to degree indicated
 ZEF We are experiencing fill-ins to degree indicated
 ZEG We are experiencing garbles to degree indicated
 ZEH 1. Correctness of service part
 2. Text parts
 3. Groups ... till ...
 is doubtful. Approval will be given after receipt
 ZEI* Accuracy of heading doubtful
 ZEK* No answer required
 ZEL* This message is correction to ...
 ZEN Drop copy to unit having same routing indicator as originator
 ZEN* This message is classified
 ZEO* Parts marked ZEP coming later
 ZES* Your message ... received 1. not complete,
 2. distorted, I request retransmission
 ZEU* Exercise (drill message) coming now
 ZEV* This is an acknowledgement of message ...
 ZEX* This is a booking message, it may be delivered to addressees for who you
 are responsible
 ZFA Failing auto
 ZFA* Message intercepted or copied blind
 ZFB Signals are fading badly
 ZFB* Pass this message to ...
 ZFC Check your FSK shift, please
 ZFD Depth of fading of your signal is as indicated
 ZFD* This message is a suspected duplicate
 ZFF Please observe and furnish FRAME code reports on ... (CALL LETTERS AND FRE-
 QUENCY IN KHZ)
 ZFF* Advise when message received by ...
 ZFH* Message by ... for 1. action
 2. information
 3. comment
 ZFI* Reply to message? There is no reply
 ZFK Revert to FSK
 ZFL* The following ... was addressed to you between serial number ... and ... of
 this network
 ZFO Signals faded out
 ZFQ Frequency shift of your signal is ... Hz
 ZFR Rapidity of fading of your signal is as indicated
 ZFR* Cancel transmission
 ZFS Signals are fading slightly
 ZGA* The call sign assigned to you is ...
 ZGB* Answer in alphabetical numerical order
 ZGC* Answer in alphabetical numerical order and transmit your call sign ... ti-
 mes
 ZGE* Transmit your call sign ... times
 ZGF ... signals good for ... words per minute
 ZGF* Make call signs more distinctly
 ZGG* Call sign of ... is ...
 ZGI* ... has called you on ... kHz
 ZGJ* I'll call you back at ... hours on ... kHz

Z CODE 5

ZNC* All transmissions on 1. all radionets
2. this radionet must be confirmed
3. ...

ZND* Your certification is incorrect; 1. verify your code book
2. check confirmation of last message

ZNE* The last transmission on this radionet 1. ...
2. by station ... was authentic

ZNG Receiving conditions no good for code

ZNI No call letters (identification) heard

ZNJ* Message may be forwarded by radio or unsafe liaisons

ZNL* Questions concerning the text of this message must be directed to the en-
coding officer of station ...

ZNM* Check the encoding message and repeat

ZNN All clear for traffic

ZNO Not on the air

ZNR Not received

ZNS Here new slip

ZOA We have checked ... (TRANSMITTER CALL SIGN) signals are radiating on air
okay

ZOC* Relay to your sub-stations

ZOD We are observing ... and will make transition when as good or better

ZOD* Act as a radio link between me and ...

ZOE* Can you accept message? Give me message

ZOF* Relay this message

ZOG* Transmit this message to station ... 1. for action
2. for information

ZOH What traffic have you on hand?

ZOH* Transmit this message to ... on ... kHz via the ... method

ZOJ* I can't forward this message because 1. the call sign of the code name is
not encoded
2. the contents are not encoded

ZOK We are receiving okay

ZOK* Relay this message via ...

ZOL Okay on line

ZOM* Mail delivery possible

ZOR Transmit only reversals

ZOU* Give instructions on routing traffic

ZOZ* Obtain retransmission of message ...

ZPA Printer line advance (feed) not received

ZPA* Your speech distorted

ZPC Printer carriage return not received

ZPC* Signals fading to degree indicated

ZPE Punch everything

ZPE* I transmit with maximum power

ZPF Printer motor fast

ZPF* Readability is as indicated

ZPG* Signal strength is as indicated

ZPO Send plain once

ZPP Punch plain only

ZPR Re-run slip at present running

ZPS Printer motor slow

ZPT Send plain twice

ZRA Reversed auto tape

ZRA* Your frequency is 1. correct
2. ... kHz higher
3. ... kHz lower

ZRB Your relayed signal is bad; please adjust your received signal

ZRB* Check your frequency on this circuit

ZRC Can you receive code?

ZRC* Adjust your frequency on the 1. correct frequency
3. frequency of my transmitter

ZRE* Hear you best on ... kHz

ZRF* Send tuning signals on present frequency
 ZRG* Changing frequency will be necessary on ... hours
 ZRK Reversed keying
 ZRL Re-run slip before one now running
 ZRM Please remove modulation from ...
 ZRM* I receive ... (USB, LSB, ISBs)
 ZRN Rough note
 ZRO Are you receiving okay?
 ZRR Run reversals
 ZRS Re-run message number ... (OR slip containing message number ...)
 ZRT Revert to traffic
 ZRY Run test slip, please
 ZSF Send faster
 ZSH Static heavy here
 ZSI Please furnish signal intensity of ... (MICROVOLTS INPUT TO RECEIVER)
 ZSM Microvolt input to receiver is ...
 ZSN Please observe and furnish SINPO code reports on ... (CALL LETTERS AND FREQUENCY IN KHZ)
 ZSO Transmit slips once
 ZSR Your signals strong readable
 ZSS Send slower
 ZST Transmit slips twice
 ZSU Your signals are unreadable
 ZSV Your speed varying
 ZTA Transmit by auto
 ZTD* Please use ...
 ZTE* I am not able to use ...
 ZTG*
 1. radiotelegraphy
 2. modulated radiotelegraphy
 3. radiotelephony transmission
 4. radioteletype
 5. radiobearing
 ZTH Transmit by hand
 ZTH*
 1. FM
 2. AM
 3. PM transmission
 4. FSK
 5. AJ
 ZTI Transmitter temporarily interrupted
 ZTI*
 1. Receiver
 2. Transmitter
 3. Power supply
 4. Antenna system
 ZTJ* Stop using ...
 ZUA Our conditions unsuitable for undulator or automatic recording
 ZUA* Timing signal will be transmitted
 ZUB We have been unable to break you
 ZUB* At ... hours
 ZUC Unable to comply. Will do so at ...
 ZUE* Affirmative (yes)
 ZUG* Negative (no)
 ZUH* Unable to comply
 ZUI* Your attention is drawn to ...
 ZUJ* Wait. Stand by
 ZUK* ... is ready for keying with ...
 ZVB Varying bias
 ZVF Signals varying in frequency
 ZVP Send V's please
 ZVR* Pass at once to sub-stations
 ZVS Signals varying in intensity
 ZWB* Name of operator on watch
 ZWC Wipers or clicks here

XV. Phonetic alphabet and figure code

1. When it is necessary to spell out call signs, service abbreviations and words, the following letter spelling table shall be used:

letter to be transmitted	code word to be used	spoken as*
A	Alfa	AL fah
B	Bravo	BRAH voh
C	Charlie	CHAR lee / SHAR lee
D	Delta	DELL tah
E	Echo	ECK oh
F	Foxtrott	FOKS trot
G	Golf	golf
H	Hotel	hoh TELL
I	India	IN dee ah
J	Juliett	JEW lee ETT
K	Kilo	KEY loh
L	Lima	LEE mah
M	Mike	mike
N	November	no VEM ber
O	Oscar	OSS cah
P	Papa	pah PAH
Q	Quebec	keh BECK
R	Romeo	ROW me oh
S	Sierra	see AIR rah
T	Tango	TANG go
U	Uniform	YOU nee form / OO nee form
V	Victor	VIK tah
W	Whiskey	WISS key
X	X-ray	ECKS RAY
Y	Yankee	YANG key
Z	Zulu	ZOO loo

* The syllables to be emphasized are written in capitals

2. When it is necessary to spell out figures or marks, the following table shall be used:

figure or mark to be transmitted	code word to be used	spoken as**
0	Nadazero	nah-dah-zay-roh
1	Unaone	oo-nah-wun
2	Bissotwo	bees-soh-too
3	Terrathree	tay-rah-tree
4	Kartefour	kar-tay-fower
5	Pantafive	pan-tah-five
6	Soxisix	sok-see-six
7	Setteseven	say-tay-seven
8	Oktoeight	ok-toh-ait
9	Novenine	no-vay-niner
decimal point	Decimal	day-see-mal
full stop	Stop	stop

** Each syllable should be equally emphasized

3. However, stations of the same country, when communicating between themselves, may use any other table recognized by their administration.

XVI. SINPO and SINPFEMO codes

SINPO signal reporting code

	S	I	N	P	O
	degrading effect of				
rating scale	signal strength	inter- ference	noise	propaga- tion dis- turbance	overall rating
5	excellent	nil	nil	nil	excellent
4	good	slight	slight	slight	good
3	fair	moderate	moderate	moderate	fair
2	poor	severe	severe	severe	poor
1	barely audible	extreme	extreme	extreme	unusable

SINPFEMO signal reporting code

	S	I	N	P	F	E	M	O
	degrading effect of					modulation		
rating scale	signal strength	inter- ference	noise	propaga- tion dis- turbance	frequency of fading	quality	depth	overall rating
5	excellent	nil	nil	nil	nil	excellent	maximum	excellent
4	good	slight	slight	slight	slow	good	good	good
3	fair	moderate	moderate	moderate	moderate	fair	fair	fair
2	poor	severe	severe	severe	fast	poor	poor	poor
1	barely audible	extreme	extreme	extreme	very fast	very poor	or nil conti- nuously overmo- dulated	unusable

SIGNAL REPORTING CODES 2

Special remarks:

- a) A signal report shall consist of the code word SINPO or SINPFEMO followed by a group of five or eight numerals, rating, respectively, the five or eight characteristics of the particular signal code.
- b) The letter X shall be used instead of a numeral for characteristics not rated.
- c) Although the code word SINPFEMO is intended for radiotelephony, it may be used for radiotelegraphy.
- d) The overall rating for radiotelegraphy shall be as indicated in Tables I and II:

Table I	overall rating	mechanized operations
	5 excellent	4-channel time-division multiplex
	4 good	2-channel time-division multiplex
	3 fair	marginal single start-stop printer
	2 poor	BKs, XQs and call signs readable
	1 unusable	unreadable

Table II	overall rating	morse operation
	5 excellent	high speed
	4 good	100 wpm
	3 fair	50 wpm
	2 poor	BKs, XQs and call signs readable
	1 unusable	unreadable

- e) The overall rating for telephony shall be as indicated in Table III:

Table III	overall rating	operating condition	quality
	5 excellent	signal quality unaffected	commercial
	4 good	signal quality slightly affected	commercial
	3 fair	signal quality seriously affected; channel usable by operators or by experienced subscribers	marginally commercial
	2 poor	channel just usable by operators	not commercial
	1 unusable	channel unusable by operators	not commercial

XVII. Designation of emissions

- RR 264 Emissions shall be designated according to their necessary bandwidth and their classification.
- RR 265 Examples of emissions designated in accordance with this Article are given in Appendix 6, Part B. Further examples may appear in the latest CCIR Recommendations. These examples may also be published in the Preface to the International Frequency List.

Section I - Necessary bandwidth

- RR 266 The necessary bandwidth, as defined in RR 146 and determined in accordance with Appendix 6, Part B, shall be expressed by three numerals and one letter. The letter occupies the position of the decimal point and represents the Copyright 1987 Klingenfuss Publications D-7400 Tuebingen F. R. Germany unit of bandwidth. The first character shall be neither zero nor K, M or G.
- RR 267 Necessary bandwidths:
- between 0.001 and 999 Hz shall be expressed in Hz (letter H);
 - between 1.00 and 999 kHz shall be expressed in kHz (letter K);
 - between 1.00 and 999 MHz shall be expressed in MHz (letter M);
 - between 1.00 and 999 GHz shall be expressed in GHz (letter G).
- | | | | |
|-----------|-----------------|------------------|-----------------|
| Examples: | 0.002 Hz = H002 | 6 kHz = 6K00 | 1.25 MHz = 1M25 |
| | 0.1 Hz = H100 | 12.5 kHz = 12K5 | 2 MHz = 2M00 |
| | 25.3 Hz = 25H3 | 180.4 kHz = 180K | 10 MHz = 10M0 |
| | 400 Hz = 400H | 180.5 kHz = 181K | 202 MHz = 202M |
| | 2.4 kHz = 2K40 | 180.7 kHz = 181K | 5.65 GHz = 5G65 |

Section II - Classification

- RR 268 The class of emission is a set of characteristics conforming to RR 269.
- RR 269 Emissions shall be classified and symbolized according to their basic characteristics as given in RR 270 and any optional additional characteristics as provided for in Appendix 6, Part A.
- RR 270 The basic characteristics (see RRs 271, 272, 273) are:
- (1) first symbol - type of modulation of the main carrier;
 - (2) second symbol - nature of signal(s) modulating the main carrier;
 - (3) third symbol - type of information to be transmitted.
- Modulation used only for short periods and for incidental purposes (such as, in many cases, for identification and calling) may be ignored provided that the necessary bandwidth as indicated is not thereby increased.
- RR 271 First symbol - type of modulation of the main carrier
- | | |
|---|---|
| Emission of an unmodulated carrier | N |
| Emission in which the main carrier is amplitude-modulated (including cases where sub-carriers are angle-modulated) | |
| - Double-sideband | A |
| - Single-sideband, full carrier | H |
| - Single-sideband, reduced or variable level carrier | R |
| - Single-sideband, suppressed carrier | J |
| - Independent sidebands | B |
| - Vestigial sideband | C |
| Emission in which the main carrier is angle-modulated | |
| - Frequency modulation | F |
| - Phase modulation | G |
| Emission in which the main carrier is amplitude- and angle-modulated either simultaneously or in a pre-established sequence | D |
| Emission of pulses (emissions where the main carrier is directly modulated by a signal which has been coded into quantized form (e.g. pulse code modulation) should be designated under amplitude modulation or angle modulation above) | |
| - Sequence of unmodulated pulses | P |

EMISSION DESIGNATIONS 2

	- A sequence of pulses	
	- modulated in amplitude	K
	- modulated in width/duration	L
	- modulated in position/phase	M
	- in which the carrier is angle-modulated during the period of the pulse	Q
	- which is a combination of the foregoing or is produced by other means	V
	Cases not covered above, in which an emission consists of the main carrier modulated, either simultaneously or in a pre-established sequence, in a combination of two or more of the following modes: amplitude, angle, pulse	W
	Cases not otherwise covered	X
RR 272	Second symbol - nature of signal(s) modulating the main carrier	
	No modulating signal	0
	A single channel containing quantized or digital information without the use of a modulating sub-carrier (this excludes time-division multiplex)	1
	A single channel containing quantized or digital information with the use of a modulating sub-carrier (this excludes time-division multiplex)	2
	A single channel containing analogue information	3
	Two or more channels containing quantized or digital information	7
	Two or more channels containing analogue information	8
	Composite system with one or more channels containing quantized or digital information, together with one or more channels containing analogue information	9
	Cases not otherwise covered	X
RR 273	Third symbol - type of information to be transmitted (in this context the word "information" does not include information of a constant, unvarying nature such as is provided by standard frequency emissions, continuous wave and pulse radars, etc.)	
	No information transmitted	N
	Telegraphy - for aural reception	A
	Telegraphy - for automatic reception	B
	Facsimile	C
	Data transmission, telemetry, telecommand	D
	Telephony (including sound broadcasting)	E
	Television (video)	F
	Combination of the above	W
	Cases not otherwise covered	X

Appendix 6 Part A - Additional characteristics for the classification of emissions

For a more complete description of an emission, two optional additional characteristics should be added. These are: Fourth symbol - Details of signal(s)

Fifth symbol - Nature of multiplexing

Where the fourth or the fifth symbol is not used this should be indicated by a dash where each symbol would otherwise appear.

1. Fourth symbol - Details of signal(s)

Two-condition code with elements of differing numbers and/or durations	A
Two-condition code with elements of the same number and duration without error-correction	B
Two-condition code with elements of the same number and duration with error-correction	C
Four-condition code in which each condition represents a signal element (of one or more bits)	D
Multi-condition code in which each condition represents a signal element (of one or more bits)	E
Multi-condition code in which each condition or combination of conditions represents a character	F
Sound of broadcasting quality (monophonic)	G

EMISSION DESIGNATIONS 3

Sound of broadcasting quality (stereophonic or quadrophonic)	H
Sound of commercial quality (excluding categories given below)	J
Sound of commercial quality with the use of frequency inversion or band-splitting	K
Sound of commercial quality with separate frequency-modulated signals to control the level of demodulated signal	L
Monochrome	M
Colour	N
Combination of the above	W
Cases not otherwise covered	X
2. Fifth symbol - Nature of multiplexing	
None	N
Code-division multiplex (this includes bandwidth expansion techniques)	C
Frequency-division multiplex	F
Time-division multiplex	T
Combination of frequency-division multiplex and time-division multiplex	W
Other types of multiplexing	X

Appendix 6 Part B - Examples for the designation of emissions

NONE	continuous wave emission
100H A1AAN	amplitude modulation; signal with quantized or digital information; continuous wave telegraphy, Morse code; bandwidth 100 Hz
2K10 A2AAN	amplitude modulation; signal with quantized or digital information; telegraphy by on-off keying of a tone modulated carrier, Morse code; bandwidth 2.1 kHz
8K00 A3EGN	amplitude modulation; sound broadcasting; double-sideband; bandwidth 8 kHz
6K00 A3EJN	amplitude modulation; telephony (commercial quality); double-sideband (single channel); bandwidth 6 kHz
328K A8E--	amplitude modulation; composite emissions; double-sideband radio-relay system, frequency division multiplex; bandwidth 328 kHz
13M1 A8W--	amplitude modulation; composite emissions; double-sideband, television relay; bandwidth 13.13 MHz
20K9 A9WWF	amplitude modulation; composite emissions; double-sideband emission of VOR with voice (VOR = VHF omnidirectional radio range); bandwidth 20.94 kHz
6K00 B8EJN	amplitude modulation; telephony (commercial quality); independent sideband (two or more channels); bandwidth 6 kHz
12K0 B9WWF	amplitude modulation; composite emissions; independent sidebands; several telegraph channels with error-correction together with several telephone channels with privacy; frequency division multiplex; bandwidth 12 kHz
6M25 C3F--	amplitude modulation; television; vision; bandwidth 6.25 MHz
304H F1BBN	frequency modulation; signal with quantized or digital information; telegraphy without error-correction (single channel); bandwidth 304 Hz
304H F1BCN	frequency modulation; signal with quantized or digital information; selective calling signal; bandwidth 304 Hz
304H F1BCN	frequency modulation; signal with quantized or digital information; telegraphy, narrow-band direct-printing with error-correction (single channel); bandwidth 304 Hz
1K98 F1C--	frequency modulation; facsimile; facsimile by direct frequency modulation of the carrier; black and white; bandwidth 1.98 kHz
1K98 F3C--	frequency modulation; facsimile; analogue facsimile; bandwidth 1.98 kHz
180K F3EGN	frequency modulation; sound broadcasting; bandwidth 180 kHz
750K F3EGN	frequency modulation; television; sound; bandwidth 750 kHz
16K0 F3EJN	frequency modulation; telephony (commercial quality); commercial telephony; bandwidth 16 kHz
1K42 F7BDX	frequency modulation; signal with quantized or digital information; four-frequency duplex telegraphy; bandwidth 1.42 kHz
300K F8EHF	frequency modulation; composite emissions; stereophonic sound broadcasting with multiplexed subsidiary telephony sub-carrier; bandwidth 300 kHz

EMISSION DESIGNATIONS 4

3M70 F8EJF	frequency modulation; composite emissions; radio-relay system, frequency division multiplex; bandwidth 3.702 MHz
2K11 H2BFN	amplitude modulation; signal with quantized or digital information; selective calling signal using sequential single frequency code, single-sideband full carrier; bandwidth 2.11 kHz
3K00 H3EJN	amplitude modulation; telephony (commercial quality); single-sideband, full carrier (single channel); bandwidth 3 kHz
134H J2BCN	amplitude modulation; signal with quantized or digital information; direct-printing telegraphy using a frequency shifted modulating subcarrier, with error-correction, single-sideband, suppressed carrier (single channel); bandwidth 134 Hz
1K98 J3C--	amplitude modulation; facsimile; analogue facsimile; frequency modulation of an audio frequency sub-carrier which modulates the main carrier, single-sideband suppressed carrier; bandwidth 1.98 kHz
4K45 J3EGN	amplitude modulation; sound broadcasting; single-sideband; suppressed; bandwidth 4.45 kHz
2K70 J3EJN	amplitude modulation; telephony (commercial quality); single-sideband, suppressed carrier (single channel); bandwidth 2.7 kHz
5K75 J8EKF	amplitude modulation; telephony (commercial quality); telephony with privacy, single-sideband, suppressed carrier (two or more channels); bandwidth 5.75 kHz
8M00 M7EJT	pulse modulation; composite emissions; radio-relay system; bandwidth 8 MHz
3M00 PONAN	pulse modulation; radar; unmodulated pulse emission; bandwidth 3 MHz
2K89 R3CMN	amplitude modulation; facsimile; analogue facsimile by sub-carrier frequency modulation of a single-sideband emission with reduced carrier, monochrome; bandwidth 2.89 kHz
4K00 R3EGN	amplitude modulation; sound broadcasting; single-sideband; reduced carrier (single channel); bandwidth 4 kHz
2K99 R3ELN	amplitude modulation; telephony (commercial quality); telephony with separate frequency modulated signal to control the level of demodulated speech signal, single-sideband, reduced carrier (Lincompex) (single channel); bandwidth 2.99 kHz
2K89 R7BCW	amplitude modulation; signal with quantized or digital information; telegraphy, multi-channel with voice-frequency, error-correction, some channels are time-division multiplexed, single-sideband, reduced carrier; bandwidth 2.885 kHz

XVIII. Classes of stations and nature of the service

AL	Aeronautical radionavigation land station
AM	Aeronautical radionavigation mobile station
AT	Amateur station
AX	Aeronautical fixed station
BC	Broadcasting station, sound
BT	Broadcasting station, television
C	Continuous operation during hours shown
CA	Cargo ship
CO	Station open to official correspondence exclusively
CP	Station open to public correspondence
CR	Station open to limited public correspondence
CV	Station open exclusively to correspondence of a private agency
DR	Directive antenna provided with a reflector
EA	Space station in the amateur-satellite service
EB	Space station in the broadcasting-satellite service (sound broadcasting)
EC	Space station in the fixed-satellite service
ED	Space telecommand space station
EE	Space station in the standard frequency-satellite service
EF	Space station in the radiodetermination-satellite service
EG	Space station in the maritime mobile-satellite service
EH	Space research space station
EJ	Space station in the aeronautical mobile-satellite service
EK	Space tracking space station
EM	Space station in the meteorological-satellite service
EN	Space station in the radionavigation-satellite service
EO	Space station in the aeronautical radionavigation-satellite service
EQ	Space station in the maritime radionavigation-satellite service
ER	Space telemetering space station
ES	Station in the intersatellite service
EU	Space station in the land mobile-satellite service
EV	Space station in the broadcasting-satellite service (television)
EW	Space station in the earth exploration-satellite service
EX	Experimental station
EY	Space station in the time signal-satellite service
FA	Aeronautical station
FB	Base station
FC	Coast station
FD	Aeronautical station of the aeronautical mobile (R) service in exclusive bands
FG	Aeronautical station of the aeronautical mobile (OR) service in exclusive bands
FL	Land station
FP	Port station
FR	Receiving station only, connected with the general network of telecommunication channels
FS	Land station established solely for the safety of life
FX	Fixed station
GS	Station on board a warship or a military or naval aircraft
H	Schedule operation
H8	8-hour service provided by a ship station of the third category
H16	16-hour service provided by a ship station of the second category
H24	Continuous service throughout the twenty-four hours
HJ	Day service
HN	Night service
HT	Transition period service
HX	Intermittent service throughout the twenty-four hours, or stations having no specific working hours
I	Intermittent operation during the time indicated

CLASSES OF STATIONS 2

LR	Radiolocation land station
MA	Aircraft station
ME	Space station
ML	Land mobile station
MO	Mobile station
MR	Radiolocation mobile station
MS	Ship station
MX	Fixed station used for transmission of meteorological information
ND	Non-directional antenna
NL	Maritime radionavigation land station
OD	Oceanographic data station
OE	Oceanographic data interrogation station
OT	Station open exclusively to operational traffic of the service concerned
PA	Passenger ship
PX	Fixed station used for press transmission
RA	Radio astronomy station
RC	Non-directional radiobeacon
RD	Directional radiobeacon
RG	Radio direction-finding station
RM	Maritime radionavigation mobile station
RT	Revolving radiobeacon
SM	Meteorological aids station
SS	Standard frequency and time signal station
TA	Space operation earth station in the amateur-satellite service
TB	Fixed earth station in the aeronautical mobile-satellite service
TC	Earth station in the fixed-satellite service
TD	Space telecommand earth station
TE	Typical transmitting earth station for an emergency position-indicating radiobeacon (EPIRB) in a mobile-satellite service
TF	Fixed earth station in the radiodetermination-satellite service
TG	Mobile earth station in the maritime mobile-satellite service
TH	Earth station in the space research service
TI	Earth station in the maritime mobile-satellite service at a specified fixed point
TJ	Mobile earth station in the aeronautical mobile-satellite service
TK	Space tracking earth station
TL	Mobile earth station in the radiodetermination-satellite service
TM	Earth station in the meteorological-satellite service
TN	Earth station in the radionavigation-satellite service
TO	Mobile earth station in the aeronautical radionavigation-satellite service
TP	Receiving earth station
TQ	Mobile earth station in the maritime radionavigation-satellite service
TR	Space telemetering earth station
TS	Television, sound channel
TT	Earth station in the space operation service
TU	Mobile earth station in the land mobile-satellite service
TV	Television, vision channel
TW	Earth station in the earth exploration-satellite service
TX	Fixed earth station in the maritime radionavigation-satellite service
TY	Fixed earth station in the land mobile-satellite service
TZ	Fixed earth station in the aeronautical radionavigation-satellite service

XIX. Terms and definitions**Introduction**

RR 2 For the purposes of these Regulations, the following terms shall have the meanings defined below. These terms and definitions do not, however, necessarily apply for other purposes. Definitions identical to those contained in the International Telecommunication Convention (Malaga-Torremolinos, 1973) are marked by an asterisk *. - Note: If, in the text of a definition below, a term is printed in capitals, this means that the term itself is defined in this Article.

Section I - General Terms

- RR 3 ADMINISTRATION*: Any governmental department or service responsible for discharging the obligations undertaken in the Conventions of the International Telecommunication Union and the Regulations.
- RR 4 TELECOMMUNICATION*: Any transmission, EMISSION or reception of signs, signals, writing, images and sounds or intelligence of any nature by wire, RADIO, optical or other electromagnetic systems.
- RR 5 RADIO*: A general term applied to the use of RADIO WAVES.
- RR 6 RADIO WAVES or HERTZIAN WAVES: Electromagnetic waves of frequencies arbitrarily lower than 3000 GHz, propagated in space without artificial guide.
- RR 7 RADIOCOMMUNICATION*: TELECOMMUNICATION by means of RADIO WAVES.
- RR 8 TERRESTRIAL RADIOCOMMUNICATION: Any RADIOCOMMUNICATION other than SPACE RADIOCOMMUNICATION or RADIO ASTRONOMY.
- RR 9 SPACE RADIOCOMMUNICATION: Any RADIOCOMMUNICATION involving the use of one or more SPACE STATIONS or the use of one or more REFLECTING SATELLITES or other objects in space.
- RR 10 RADIODETERMINATION: The determination of the position, velocity and/or other characteristics of an object, or the obtaining of information relating to these parameters, by means of the propagation properties of RADIO WAVES.
- RR 11 RADIONAVIGATION: RADIODETERMINATION used for the purposes of navigation, including obstruction warning.
- RR 12 RADIOLOCATION: RADIODETERMINATION used for purposes other than those of RADIONAVIGATION.
- RR 13 RADIO DIRECTION-FINDING: RADIODETERMINATION using the reception of RADIO WAVES for the purpose of determining the direction of a STATION or object.
- RR 14 RADIO ASTRONOMY: Astronomy based on the reception of RADIO WAVES of cosmic origin.
- RR 15 COORDINATED UNIVERSAL TIME (UTC): Time scale, based on the second (SI), as defined and recommended by the CCIR (the full definition is contained in CCIR Recommendation 460-2), and maintained by the International Time Bureau (BIH).

For most practical purposes associated with the Radio Regulations, UTC is equivalent to mean solar time at the prime meridian (0° longitude), formerly expressed in GMT.

- RR 16 INDUSTRIAL, SCIENTIFIC AND MEDICAL (ISM) APPLICATIONS (of radio frequency energy): Operation of equipment or appliances designed to generate and use locally radio frequency energy for industrial, scientific, medical, domestic or similar purposes, excluding applications in the field of TELECOMMUNICATIONS.

Section II - Specific terms related to frequency management

- RR 17 ALLOCATION (of a frequency band): Entry in the Table of Frequency Allocations of a given frequency band for the purpose of its use by one or more terrestrial or space RADIOCOMMUNICATION SERVICES or the RADIO ASTRONOMY SERVICE under specified conditions. This term shall also be applied to the frequency band concerned.
- RR 18 ALLOTMENT (of a radio frequency or radio frequency channel): Entry of a designated frequency channel in an agreed plan, adopted by a competent confere-

rence, for use by one or more administrations for a terrestrial or space RADIOCOMMUNICATION SERVICE in one or more identified countries or geographical areas and under specified conditions.

- RR 19 ASSIGNMENT (of a radio frequency or radio frequency channel): Authorization given by an administration for a radio STATION to use a radio frequency or radio frequency channel under specified conditions.

Section III - Radio services

- RR 20 RADIOCOMMUNICATION SERVICE: A service as defined in this Section involving the transmission, EMISSION and/or reception of RADIO WAVES for specific TELECOMMUNICATION purposes.

In these Regulations, unless otherwise stated, any radiocommunication service relates to TERRESTRIAL RADIOCOMMUNICATION.

- RR 21 FIXED SERVICE: A RADIOCOMMUNICATION SERVICE between specified fixed points.

- RR 22 FIXED-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE between EARTH STATIONS at specified fixed points when one or more SATELLITES are used; in some cases this service includes satellite-to-satellite links, which may also be effected in the INTER-SATELLITE SERVICE; the fixed-satellite service may also include Copyright 1987 Klingenfuss Publications D-7400 Tübingen Fed. Rp. Germany FEEDER LINKS for other SPACE RADIOCOMMUNICATION services.

- RR 23 AERONAUTICAL FIXED SERVICE: A RADIOCOMMUNICATION SERVICE between specified fixed points provided primarily for the safety of air navigation and for the regular, efficient and economical operation of air transport.

- RR 24 INTER-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE providing links between artificial earth SATELLITES.

- RR 25 SPACE OPERATION SERVICE: A RADIOCOMMUNICATION SERVICE concerned exclusively with the operation of SPACECRAFT, in particular SPACE TRACKING, SPACE TELEMETRY and SPACE TELECOMMAND.

These functions will normally be provided within the service in which the SPACE STATION is operating.

- RR 26 MOBILE SERVICE*: A RADIOCOMMUNICATION SERVICE between MOBILE and LAND STATIONS, or between MOBILE STATIONS.

- RR 27 MOBILE-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE:
- between MOBILE EARTH STATIONS and one or more SPACE STATIONS, or between SPACE STATIONS used by this service; or
- between MOBILE EARTH STATIONS by means of one or more SPACE STATIONS.

This service may also include FEEDER LINKS necessary for its operation.

- RR 28 LAND MOBILE SERVICE: A MOBILE SERVICE between BASE STATIONS and LAND MOBILE STATIONS, or between LAND MOBILE STATIONS.

- RR 29 LAND MOBILE-SATELLITE SERVICE: A MOBILE-SATELLITE SERVICE in which MOBILE EARTH STATIONS are located on land.

- RR 30 MARITIME MOBILE SERVICE: A MOBILE SERVICE between COAST STATIONS and SHIP STATIONS, or between SHIP STATIONS, or between associated ON-BOARD COMMUNICATION STATIONS; SURVIVAL CRAFT STATIONS and EMERGENCY POSITION-INDICATING RADIOBEACON STATIONS may also participate in this service.

- RR 31 MARITIME MOBILE-SATELLITE SERVICE: A MOBILE-SATELLITE SERVICE in which MOBILE EARTH STATIONS are located on board ships; SURVIVAL CRAFT STATIONS and EMERGENCY POSITION-INDICATING RADIOBEACON STATIONS may also participate in this service.

- RR 32 PORT OPERATIONS SERVICE: A MARITIME MOBILE SERVICE in or near a port, between COAST STATIONS and SHIP STATIONS, or between SHIP STATIONS, in which messages are restricted to those relating to the operational handling, the movement and the safety of ships and, in emergency, to the safety of persons.

Messages which are of a PUBLIC CORRESPONDENCE nature shall be excluded from this service.

- RR 33 SHIP MOVEMENT SERVICE: A SAFETY SERVICE in the MARITIME MOBILE SERVICE other than a PORT OPERATIONS SERVICE, between COAST STATIONS and SHIP STATIONS, or between SHIP STATIONS, in which messages are restricted to those relating to the movement of ships.

Messages which are of a PUBLIC CORRESPONDENCE nature shall be excluded from this service.

DEFINITIONS 3

- RR 34 AERONAUTICAL MOBILE SERVICE: A MOBILE SERVICE between AERONAUTICAL STATIONS and AIRCRAFT STATIONS, or between AIRCRAFT STATIONS, in which SURVIVAL CRAFT STATIONS may participate; EMERGENCY POSITION-INDICATING RADIOBEACON STATIONS may also participate in this service on designated distress and emergency frequencies.
- RR 35 AERONAUTICAL MOBILE-SATELLITE SERVICE: A MOBILE-SATELLITE SERVICE in which MOBILE EARTH STATIONS are located on board aircraft; SURVIVAL CRAFT STATIONS and EMERGENCY POSITION-INDICATING RADIOBEACON STATIONS may also participate in this service.
- RR 36 BROADCASTING SERVICE*: A RADIOCOMMUNICATION SERVICE in which the transmissions are intended for direct reception by the general public. This service may include sound transmissions, TELEVISION transmissions or other types of transmission.
- RR 37 BROADCASTING-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE in which signals transmitted or retransmitted by SPACE STATIONS are intended for direct reception by the general public.

In the broadcastin-satellite service, the term "direct reception" shall encompass both INDIVIDUAL RECEPTION and COMMUNITY RECEPTION.

- RR 38 RADIODETERMINATION SERVICE: A RADIOCOMMUNICATION SERVICE for the purpose of RADIODETERMINATION.
- RR 39 RADIODETERMINATION-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE for the purpose of RADIODETERMINATION involving the use of one or more SPACE STATIONS.
- RR 40 RADIONAVIGATION SERVICE: A RADIODETERMINATION SERVICE for the purpose of RADIONAVIGATION.
- RR 41 RADIONAVIGATION-SATELLITE SERVICE: A RADIODETERMINATION-SATELLITE SERVICE used for the purpose of RADIONAVIGATION.

This service may also include FEEDER LINKS necessary for its operation.

- RR 42 MARITIME RADIONAVIGATION SERVICE: A RADIONAVIGATION SERVICE intended for the benefit and for the safe operation of ships.
- RR 43 MARITIME RADIONAVIGATION-SATELLITE SERVICE: A RADIONAVIGATION-SATELLITE SERVICE in which EARTH STATIONS are located on board ships.
- RR 44 AERONAUTICAL RADIONAVIGATION SERVICE: A RADIONAVIGATION SERVICE intended for the benefit and for the safe operation of aircraft.
- RR 45 AERONAUTICAL RADIONAVIGATION-SATELLITE SERVICE: A RADIONAVIGATION-SATELLITE SERVICE in which EARTH STATIONS are located on board aircraft.
- RR 46 RADIOLOCATION SERVICE: A RADIODETERMINATION SERVICE, for the purpose of RADIOLOCATION.
- RR 47 METEOROLOGICAL AIDS SERVICE: A RADIOCOMMUNICATION SERVICE used for meteorological, including hydrological, observations and exploration.
- RR 48 EARTH EXPLORATION-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE between EARTH STATIONS and one or more SPACE STATIONS, which may include links between SPACE STATIONS, in which:
- information relating to the characteristics of the Earth and its natural phenomena is obtained from ACTIVE SENSORS or PASSIVE SENSORS on earth SATELLITES;
 - similar information is collected from airborne or Earth-based platforms;
 - such information may be distributed to EARTH STATIONS within the system concerned;
 - platform interrogation may be included.

This service may also include FEEDER LINKS necessary for its operation.

- RR 49 METEOROLOGICAL-SATELLITE SERVICE: An EARTH EXPLORATION-SATELLITE SERVICE for meteorological purposes.
- RR 50 STANDARD FREQUENCY AND TIME SIGNAL SERVICE: A RADIOCOMMUNICATION SERVICE for scientific, technical and other purposes, providing the transmission of specified frequencies, time signals, or both, of stated high precision, intended for general reception.
- RR 51 STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE using SPACE STATIONS on earth SATELLITES for the same purposes as those of the STANDARD FREQUENCY AND TIME SIGNAL SERVICE.

This service may also include FEEDER LINKS necessary for its operation.

- RR 52 SPACE RESEARCH SERVICE: A RADIOCOMMUNICATION SERVICE in which SPACECRAFT or other objects in space are used for scientific or technological research purposes.
- RR 53 AMATEUR SERVICE: A RADIOCOMMUNICATION SERVICE for the purpose of self-training, intercommunication and technical investigations carried out by amateurs, that is, by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest.
- RR 54 AMATEUR-SATELLITE SERVICE: A RADIOCOMMUNICATION SERVICE using SPACE STATIONS on earth SATELLITES for the same purposes as those of the AMATEUR SERVICE.
- RR 55 RADIO ASTRONOMY SERVICE: A service involving the use of RADIO ASTRONOMY.
- RR 56 SAFETY SERVICE*: Any RADIOCOMMUNICATION SERVICE used permanently or temporarily for the safeguarding of human life and property.
- RR 57 SPECIAL SERVICE: A RADIOCOMMUNICATION SERVICE, not otherwise defined in this Section, carried on exclusively for specific needs of general utility, and not open to PUBLIC CORRESPONDENCE.

Section IV - Radio stations and systems

- RR 58 STATION: One or more transmitters or receivers or a combination of transmitters and receivers, including the accessory equipment, necessary at one location for carrying on a RADIOCOMMUNICATION SERVICE, or the RADIO ASTRONOMY SERVICE.
- Each station shall be classified by the service in which it operates permanently or temporarily.
- RR 59 TERRESTRIAL STATION: A STATION effecting TERRESTRIAL RADIOCOMMUNICATION.
- In these Regulations, unless otherwise stated, any STATION is a terrestrial station.
- RR 60 EARTH STATION: A STATION located either on the Earth's surface or within the major portion of the Earth's atmosphere and intended for communication:
- with one or more SPACE STATIONS; or
 - with one or more STATIONS of the same kind by means of one or more reflecting SATELLITES or other objects in space.
- RR 61 SPACE STATION: A STATION located on an object which is beyond, is intended to go beyond, or has been beyond, the major portion of the Earth's atmosphere.
- RR 62 SURVIVAL CRAFT STATION: A MOBILE STATION in the MARITIME MOBILE SERVICE or the AERONAUTICAL MOBILE SERVICE intended solely for survival purposes and located on any lifeboat, life-raft or other survival equipment.
- RR 63 FIXED STATION: A STATION in the FIXED SERVICE.
- RR 64 AERONAUTICAL FIXED STATION: A STATION in the AERONAUTICAL FIXED SERVICE.
- RR 65 MOBILE STATION: A STATION in the MOBILE SERVICE intended to be used while in motion or during halts at unspecified points.
- RR 66 MOBILE EARTH STATION: An EARTH STATION in the MOBILE-SATELLITE SERVICE intended to be used while in motion or during halts at unspecified points.
- RR 67 LAND STATION: A STATION in the MOBILE SERVICE not intended to be used while in motion.
- RR 68 BASE STATION: A LAND STATION in the LAND MOBILE SERVICE.
- RR 69 LAND MOBILE STATION: A MOBILE STATION in the LAND MOBILE SERVICE capable of surface movement within the geographical limits of a country or continent.
- RR 70 COAST STATION: A LAND STATION in the MARITIME MOBILE SERVICE.
- RR 71 COAST EARTH STATION: An EARTH STATION in the FIXED-SATELLITE SERVICE or, in some cases, in the MARITIME MOBILE-SATELLITE SERVICE, located at a specified fixed point on land to provide a FEEDER LINK for the MARITIME MOBILE-SATELLITE SERVICE.
- RR 72 SHIP STATION: A MOBILE STATION in the MARITIME MOBILE SERVICE located on board a vessel which is not permanently moored, other than a SURVIVAL CRAFT STATION.
- RR 73 SHIP EARTH STATION: A MOBILE EARTH STATION in the MARITIME MOBILE-SATELLITE SERVICE located on board ship.
- RR 74 ON-BOARD COMMUNICATION STATION: A low-powered MOBILE STATION in the MARITIME MOBILE SERVICE intended for use for internal communications on board a

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ship, or between a ship and its lifeboats and life-rafts during lifeboat drills or operations, or for communication within a group of vessels being towed or pushed, as well as for line handling and mooring instructions.

RR 75 PORT STATION: A COAST STATION in the PORT OPERATIONS SERVICE.

RR 76 AERONAUTICAL STATION: A LAND STATION in the AERONAUTICAL MOBILE SERVICE.

In certain instances, an aeronautical station may be located, for example, on board ship or on a platform at sea.

RR 77 AERONAUTICAL EARTH STATION: An EARTH STATION in the FIXED-SATELLITE SERVICE, or, in some cases, in the AERONAUTICAL MOBILE-SATELLITE SERVICE, located at a specified fixed point on land to provide a FEEDER LINK for the AERONAUTICAL MOBILE-SATELLITE SERVICE.

RR 78 AIRCRAFT STATION: A MOBILE STATION in the AERONAUTICAL MOBILE SERVICE, other than a SURVIVAL CRAFT STATION, located on board an aircraft.

RR 79 AIRCRAFT EARTH STATION: A MOBILE EARTH STATION in the AERONAUTICAL MOBILE-SATELLITE SERVICE located on board an aircraft.

RR 80 BROADCASTING STATION: A STATION in the BROADCASTING SERVICE.

RR 81 RADIODETERMINATION STATION: A STATION in the RADIODETERMINATION SERVICE.

RR 82 RADIONAVIGATION MOBILE STATION: A STATION in the RADIONAVIGATION SERVICE intended to be used while in motion or during halts at unspecified points.

RR 83 RADIONAVIGATION LAND STATION: A STATION in the RADIONAVIGATION SERVICE not intended to be used while in motion.

RR 84 RADIOLOCATION MOBILE STATION: A STATION in the RADIOLOCATION SERVICE intended to be used while in motion or during halts at unspecified points.

RR 85 RADIOLOCATION LAND STATION: A STATION in the RADIOLOCATION SERVICE not intended to be used while in motion.

RR 86 RADIO DIRECTION-FINDING STATION: A RADIODETERMINATION STATION using RADIO DIRECTION-FINDING.

RR 87 RADIOBEACON STATION: A STATION in the RADIONAVIGATION SERVICE the EMISSIONS of which are intended to enable a MOBILE STATION to determinate its bearing or direction in relation to the radiobeacon station.

RR 88 EMERGENCY POSITION-INDICATING RADIOBEACON STATION: A STATION in the MOBILE SERVICE the EMISSIONS of which are intended to facilitate search and rescue operations.

RR 88A SATELLITE EMERGENCY POSITION-INDICATING RADIOBEACON: An EARTH STATION in the MOBILE-SATELLITE SERVICE the EMISSIONS of which are intended to facilitate search and rescue operations.

RR 89 STANDARD FREQUENCY AND TIME SIGNAL STATION: A STATION in the STANDARD FREQUENCY AND TIME SIGNAL SERVICE.

RR 90 AMATEUR STATION: A STATION in the AMATEUR SERVICE.

RR 91 RADIO ASTRONOMY STATION: A STATION in the RADIO ASTRONOMY SERVICE.

RR 92 EXPERIMENTAL STATION: A STATION utilizing RADIO WAVES in experiments with a view to the development of science or technique.

This definition does not include AMATEUR STATIONS.

RR 93 SHIP'S EMERGENCY TRANSMITTER: A ship's transmitter to be used exclusively on a distress frequency for distress, urgency or safety purposes.

RR 94 RADAR: A RADIODETERMINATION system based on the comparison of reference signals with radio signals reflected, or retransmitted, from the position to be determined.

RR 95 PRIMARY RADAR: A RADIODETERMINATION system based on the comparison of reference signals with radio signals reflected from the position to be determined.

RR 96 SECONDARY RADAR: A RADIODETERMINATION system based on the comparison of reference signals with radio signals retransmitted from the position to be determined.

RR 97 RADAR BEACON (RACON): A transmitter-receiver associated with a fixed navigational mark which, when triggered by a RADAR, automatically returns a distinctive signal which can appear on the display of the triggering RADAR, providing range, bearing and identification information.

RR 98 INSTRUMENT LANDING SYSTEM (ILS): A RADIONAVIGATION system which provides aircraft with horizontal and vertical guidance just before and during landing and, at certain fixed points, indicates the distance to the reference point of landing.

- RR 99 INSTRUMENT LANDING SYSTEM LOCALIZER: A system of horizontal guidance embodied in the INSTRUMENT LANDING SYSTEM which indicates the horizontal deviation of the aircraft from its optimum path of descent along the axis of the runway.
- RR 100 INSTRUMENT LANDING SYSTEM GLIDE PATH: A system of vertical guidance embodied in the INSTRUMENT LANDING SYSTEM which indicates the vertical deviation of the aircraft from its optimum path of descent.
- RR 101 MARKER BEACON: A transmitter in the AERONAUTICAL RADIONAVIGATION SERVICE which radiates vertically a distinctive pattern for providing position information to aircraft.
- RR 102 RADIO ALTIMETER: RADIONAVIGATION equipment, on board an aircraft or SPACECRAFT, used to determine the height of the aircraft or the SPACECRAFT above the Earth's surface or another surface.
- RR 103 RADIOSONDE: An automatic radio transmitter in the METEOROLOGICAL AIDS SERVICE usually carried on an aircraft, free balloon, kite or parachute, and which transmits meteorological data.
- RR 104 SPACE SYSTEM: Any group of cooperating EARTH STATIONS and/or SPACE STATIONS employing SPACE RADIOCOMMUNICATIONS for specific purposes.
- RR 105 SATELLITE SYSTEM: A SPACE SYSTEM using one or more artificial earth SATELLITES.
- RR 106 SATELLITE NETWORK: A SATELLITE SYSTEM or a part of a SATELLITE SYSTEM, consisting of only one SATELLITE and the cooperating EARTH STATIONS.
- RR 107 SATELLITE LINK: A radio link between a transmitting EARTH STATION and a receiving EARTH STATION through one SATELLITE.
A satellite link comprises one up-link and one down-link.
- RR 108 MULTI-SATELLITE LINK: A radio link between a transmitting EARTH STATION and a receiving EARTH STATION through two or more SATELLITES, without any intermediate EARTH STATIONS.
A multi-satellite link comprises one up-link, one or more satellite-to-satellite links and one down-link.
- RR 109 FEEDER LINK: A radio link from an EARTH STATION at a specified fixed point to a SPACE STATION, or vice versa, conveying information for a SPACE RADIOCOMMUNICATION SERVICE other than for the FIXED-SATELLITE SERVICE.

Section V - Operational terms

- RR 110 PUBLIC CORRESPONDENCE*: Any TELECOMMUNICATION which the offices and STATIONS must, by reason of their being at the disposal of the public, accept for transmission.
- RR 111 TELEGRAPHY (Note by the General Secretariat: This definition is not in alignment with Annex 2 to the Convention. The corresponding definition in that Annex shall prevail to the extent that there are differences between them (see also Resolution 68).): A form of TELECOMMUNICATION which is concerned in any process providing transmission and reproduction at a distance of documentary matter, such as written or printed matter or fixed images, or the reproduction at a distance of any kind of information in such a form. For the purposes of the Radio Regulations, unless otherwise specified therein, telegraphy shall mean a form of TELECOMMUNICATION for the transmission of written matter by the use of a signal code.
- RR 112 TELEGRAM*: Written matter intended to be transmitted by TELEGRAPHY for delivery to the addressee. This term also includes RADIOTELEGRAMS unless otherwise specified.
In this definition the term TELEGRAPHY has the same general meaning as defined in the Convention.
- RR 113 RADIOTELEGRAM: A TELEGRAM, originating in or intended for a MOBILE STATION or a MOBILE EARTH STATION transmitted on all or part of its route over the RADIOCOMMUNICATION channels of the MOBILE SERVICE or of the MOBILE-SATELLITE SERVICE.
- RR 114 RADIOTELEX CALL: A telex call, originating in or intended for a MOBILE STATION or a MOBILE EARTH STATION, transmitted on all or part of its route over the RADIOCOMMUNICATION channels of the MOBILE SERVICE or of the MOBILE-SATELLITE SERVICE.

- RR 115 FREQUENCY-SHIFT TELEGRAPHY: TELEGRAPHY by frequency modulation in which the telegraph signal shifts the frequency of the carrier between predetermined values.
- RR 116 FACSIMILE: A form of TELEGRAPHY for the transmission of fixed images, with or without half-tones, with a view to their reproduction in a permanent form.
- In this definition the term TELEGRAPHY has the same general meaning as defined in the Convention.
- RR 117 TELEPHONY (Note by the General Secretariat: This definition is not in alignment with Annex 2 to the Convention. The corresponding definition in that Annex shall prevail to the extent that there are differences between them (see also Resolution 68).): A form of TELECOMMUNICATION set up for the transmission of speech or, in some cases, other sounds.
- RR 118 RADIOTELEPHONE CALL: A telephone call, originating in or intended for a MOBILE STATION or a MOBILE EARTH STATION, transmitted on all or part of its route over the RADIOCOMMUNICATION channels of the MOBILE SERVICE or of the MOBILE-SATELLITE SERVICE.
- RR 119 SIMPLEX OPERATION: Operating method in which transmission is made possible alternately in each direction of a TELECOMMUNICATION channel, for example, by means of manual control. (In general, DUPLEX OPERATION and SEMI-DUPLEX OPERATION require two frequencies in RADIOCOMMUNICATION; SIMPLEX OPERATION may use either one or two.)
- RR 120 DUPLEX OPERATION: Operating method in which transmission is made possible simultaneously in both directions of a TELECOMMUNICATION channel. (In general, DUPLEX OPERATION and SEMI-DUPLEX OPERATION require two frequencies in RADIOCOMMUNICATION; SIMPLEX OPERATION may use either one or two.)
- RR 121 SEMI-DUPLEX OPERATION: A method which is SIMPLEX OPERATION at one end of the circuit and DUPLEX OPERATION at the other. (In general, DUPLEX OPERATION and SEMI-DUPLEX OPERATION require two frequencies in RADIOCOMMUNICATION; SIMPLEX OPERATION may use either one or two.)
- RR 122 TELEVISION: A form of TELECOMMUNICATION for the transmission of transient images of fixed or moving objects.
- RR 123 INDIVIDUAL RECEPTION (in the broadcasting-satellite service): The reception of EMISSIONS from a SPACE STATION in the BROADCASTING-SATELLITE SERVICE by simple domestic installations and in particular Copyright 1987 Klingenfuss Publications D-7400 Tuebingen F R Germany those possessing small antennae.
- RR 124 COMMUNITY RECEPTION (in the broadcasting-satellite service): The reception of EMISSIONS from a SPACE STATION in the BROADCASTING-SATELLITE SERVICE by receiving equipment, which in some cases may be complex and have antennae larger than those used for INDIVIDUAL RECEPTION, and intended for use:
- by a group of the general public at one location; or
 - through a distribution system covering a limited area.
- RR 125 TELEMETRY: The use of TELECOMMUNICATION for automatically indicating or recording measurements at a distance from the measuring instrument.
- RR 126 RADIOTELEMETRY: TELEMETRY by means of RADIO WAVES.
- RR 127 SPACE TELEMETRY: The use of TELEMETRY for the transmission from a SPACE STATION of results of measurements made in a SPACECRAFT, including those relating to the functioning of the SPACECRAFT.
- RR 128 TELECOMMAND: The use of TELECOMMUNICATION for the transmission of signals to initiate, modify or terminate functions of equipment at a distance.
- RR 129 SPACE TELECOMMAND: The use of RADIOCOMMUNICATION for the transmission of signals to a SPACE STATION to initiate, modify or terminate functions of equipment on an associated space object, including the SPACE STATION.
- RR 130 SPACE TRACKING: Determination of the ORBIT, velocity or instantaneous position of an object in space by means of RADIODETERMINATION, excluding PRIMARY RADAR, for the purpose of following the movement of the object.

Section VI - Characteristics of emissions and radio equipment

- RR 131 RADIATION: The outward flow of energy from any source in the form of RADIO WAVES.
- RR 132 EMISSION: RADIATION produced, or the production of RADIATION, by a radio transmitting STATION.
For example, the energy radiated by the local oscillator of a radio receiver would not be an emission but a radiation.
- RR 133 CLASS OF EMISSION: The set of characteristics of an EMISSION, designated by standard symbols, e. g. type of modulation of the main carrier, modulating signal, type of information to be transmitted, and also, if appropriate, any additional signal characteristics.
- RR 134 SINGLE-SIDEBAND EMISSION: An amplitude modulated EMISSION with one sideband only.
- RR 135 FULL CARRIER SINGLE-SIDEBAND EMISSION: A SINGLE-SIDEBAND EMISSION without reduction of the carrier.
- RR 136 REDUCED CARRIER SINGLE-SIDEBAND EMISSION: A SINGLE-SIDEBAND EMISSION in which the degree of carrier suppression enables the carrier to be reconstituted and to be used for demodulation.
- RR 137 SUPPRESSED CARRIER SINGLE-SIDEBAND EMISSION: A SINGLE-SIDEBAND EMISSION in which the carrier is virtually suppressed and not intended to be used for demodulation.
- RR 138 OUT-OF-BAND EMISSION (in French: emission hors bande; in Spanish: emisión fuera de banda): EMISSION on a frequency or frequencies immediately outside the NECESSARY BANDWIDTH which results from the modulation process, but excluding SPURIOUS EMISSIONS.
- RR 139 SPURIOUS EMISSION (in French: rayonnement non essentiel; in Spanish: emisión no esencial): EMISSION on a frequency or frequencies which are outside the NECESSARY BANDWIDTH and the level of which may be reduced without affecting the corresponding transmission of information. Spurious emissions include harmonic EMISSIONS, parasitic EMISSIONS, intermodulation products and frequency conversion products, but exclude OUT-OF-BAND EMISSIONS.
- RR 140 UNWANTED EMISSIONS (in French: rayonnements non désirés; in Spanish: emisiones no deseadas): Consist of SPURIOUS EMISSIONS and OUT-OF-BAND EMISSIONS.
- RR 141 ASSIGNED FREQUENCY BAND: The frequency band within which the EMISSION of a STATION is authorized; the width of the band equals the NECESSARY BANDWIDTH plus twice the absolute value of the FREQUENCY TOLERANCE. Where SPACE STATIONS are concerned, the assigned frequency band includes twice the maximum Doppler shift that may occur in relation to any point of the Earth's surface.
- RR 142 ASSIGNED FREQUENCY: The centre of the frequency band assigned to a STATION.
- RR 143 CHARACTERISTIC FREQUENCY: A frequency which can be easily identified and measured in a given EMISSION.
A carrier frequency may, for example, be designated as the characteristic frequency.
- RR 144 REFERENCE FREQUENCY: A frequency having a fixed and specified position with respect to the ASSIGNED FREQUENCY. The displacement of this frequency with respect to the ASSIGNED FREQUENCY has the same absolute value and sign that the displacement of the CHARACTERISTIC FREQUENCY has with respect to the centre of the frequency band occupied by the EMISSION.
- RR 145 FREQUENCY TOLERANCE: The maximum permissible departure by the centre frequency of the frequency band occupied by an EMISSION from the ASSIGNED FREQUENCY or, by the CHARACTERISTIC FREQUENCY of an EMISSION from the REFERENCE FREQUENCY.
The frequency tolerance is expressed in parts in 10^6 or in hertz.
- RR 146 NECESSARY BANDWIDTH: For a given CLASS OF EMISSION, the width of the frequency band which is just sufficient to ensure the transmission of information at the rate and with the quality required under specified conditions.
- RR 147 OCCUPIED BANDWIDTH: The width of a frequency band such that, below the lower and above the upper frequency limits, the MEAN POWERS emitted are each equal to a specified percentage $\beta/2$ of the total MEAN POWER of a given EMISSION.

Unless otherwise specified by the CCIR for the appropriate CLASS OF EMISSION, the value of $\beta/2$ should be taken as 0.5 % .

- RR 148 RIGHT-HAND (clockwise) POLARIZED WAVE: An elliptically- or circularly-polarized wave, in which the electric field vector, observed in any fixed plane, normal to the direction of propagation, whilst looking in the direction of propagation, rotates with time in a right-hand or clockwise direction.
- RR 149 LEFT-HAND (anticlockwise) POLARIZED WAVE: An elliptically- or circularly-polarized wave, in which the electric field vector, observed in any fixed plane, normal to the direction of propagation, whilst looking in the direction of propagation, rotates with time in a left-hand or anticlockwise direction.
- RR 150 POWER: Whenever the power of a radio transmitter etc. is referred to it shall be expressed in one of the following forms, according to the CLASS OF EMISSION, using the arbitrary symbols indicated:
- PEAK ENVELOPE POWER (PX or pX);
 - MEAN POWER (PY or pY);
 - CARRIER POWER (PZ or pZ).

For different CLASSES OF EMISSION, the relationships between PEAK ENVELOPE POWER, MEAN POWER and CARRIER POWER, under the conditions of normal operation and of no modulation, are contained in CCIR Recommendations which may be used as a guide.

For use in formulae, the symbol p denotes power expressed in watts and the symbol P denotes power expressed in decibels relative to a reference level.

- RR 151 PEAK ENVELOPE POWER (of a radio transmitter): The average power supplied to the antenna transmission line by a transmitter during one radio frequency cycle at the crest of the modulation envelope taken under normal operating conditions.
- RR 152 MEAN POWER (of a radio transmitter): The average power supplied to the antenna transmission line by a transmitter during an interval of time sufficiently long compared with the lowest frequency encountered in the modulation taken under normal operating conditions.
- RR 153 CARRIER POWER (of a radio transmitter): The average power supplied to the antenna transmission line by a transmitter during one radio frequency cycle taken under the condition of no modulation.
- RR 154 GAIN OF AN ANTENNA: The ratio, usually expressed in decibels, of the power required at the input of a loss-free reference antenna to the power supplied to the input of the given antenna to produce, in a given direction, the same field strength or the same power flux-density at the same distance. When not specified otherwise, the gain refers to the direction of maximum RADIATION. The gain may be considered for a specified polarization.

Depending on the choice of the reference antenna a distinction is made between:

- a) ABSOLUTE OR ISOTROPIC GAIN (G_i), when the reference antenna is an isotropic antenna isolated in space;
 - b) GAIN RELATIVE TO A HALF-WAVE DIPOLE (G_d), when the reference antenna is a half-wave dipole isolated in space whose equatorial plane contains the given direction;
 - c) GAIN RELATIVE TO A SHORT VERTICAL ANTENNA (G_v), when the reference antenna is a linear conductor, much shorter than one quarter of the wavelength, normal to the surface of a perfectly conducting plane which contains the given direction.
- RR 155 EQUIVALENT ISOTROPICALLY RADIATED POWER (E.I.R.P.): The product of the power supplied to the antenna and the antenna gain in a given direction relative to an isotropic antenna (ABSOLUTE OR ISOTROPIC GAIN).
- RR 156 EFFECTIVE RADIATED POWER (E.R.P.) (in a given direction): The product of the power supplied to the antenna and its GAIN RELATIVE TO A HALF-WAVE DIPOLE in a given direction.
- RR 157 EFFECTIVE MONOPOLE RADIATED POWER (E.M.R.P.) (in a given direction): The product of the power supplied to the antenna and its GAIN RELATIVE TO A SHORT VERTICAL ANTENNA in a given direction.

- RR 158 TROPOSPHERIC SCATTER: The propagation of RADIO WAVES by scattering as a result of irregularities or discontinuities in the physical properties of the troposphere.
- RR 159 IONOSPHERIC SCATTER: The propagation of RADIO WAVES by scattering as a result of irregularities or discontinuities in the physical properties of the ionosphere.

Section VII - Frequency sharing

- RR 160 INTERFERENCE: The effect of unwanted energy due to one or a combination of EMISSIONS, RADIATIONS, or inductions upon reception in a RADIOCOMMUNICATION system, manifested by any performance degradation, misinterpretation, or loss of information which could be extracted in the absence of such unwanted energy.
- RR 161 PERMISSIBLE INTERFERENCE (this term is used in the coordination of frequency assignments between administrations): Observed or predicted INTERFERENCE which complies with quantitative INTERFERENCE and sharing criteria contained in these Regulations or in CCIR Recommendations or in special agreements as provided for in these Regulations.
- RR 162 ACCEPTED INTERFERENCE (this term is used in the coordination of frequency assignments between administrations): INTERFERENCE at a higher level than that defined as PERMISSIBLE INTERFERENCE and which has been agreed upon between two or more administrations without prejudice to other administrations.
- RR 163 HARMFUL INTERFERENCE (Note by the General Secretariat: This definition is not in alignment with Annex 2 to the Convention. The corresponding definition in that Annex shall prevail to the extent that there are differences between them (see also Resolution 68).): INTERFERENCE which endangers the functioning of a RADIONAVIGATION SERVICE or of other SAFETY SERVICES or seriously degrades, obstructs, or repeatedly interrupts a RADIOCOMMUNICATION SERVICE operating in accordance with these Regulations.
- RR 164 PROTECTION RATIO (R.F.): The minimum value of the wanted-to-unwanted signal ratio, usually expressed in decibels, at the receiver input, determined under specified conditions such that a specified reception quality of the wanted signal is achieved at the receiver output.
- RR 165 COORDINATION AREA: The area associated with an EARTH STATION outside of which a TERRESTRIAL STATION sharing the same frequency band neither causes nor is subject to interfering EMISSIONS greater than a permissible level.
- RR 166 COORDINATION CONTOUR: The line enclosing the COORDINATION AREA.
- RR 167 COORDINATION DISTANCE: Distance on a given azimuth from an EARTH STATION beyond which a TERRESTRIAL STATION sharing the same frequency band neither causes nor is subject to interfering EMISSIONS greater than a permissible level.
- RR 168 EQUIVALENT SATELLITE LINK NOISE TEMPERATURE: The noise temperature referred to the output of the receiving antenna of the EARTH STATION corresponding to the radio frequency noise power which produces the total observed noise at the output of the SATELLITE LINK excluding noise due to INTERFERENCE coming from SATELLITE LINKS using other SATELLITES and from terrestrial systems.

Section VIII - Technical terms relating to space

- RR 169 DEEP SPACE: Space at distances from the Earth approximately equal to, or greater than, the distance between the Earth and the Moon.
- RR 170 SPACECRAFT: A man-made vehicle which is intended to go beyond the major portion of the Earth's atmosphere.
- RR 171 SATELLITE: A body which revolves around another body of preponderant mass and which has a motion primarily and permanently determined by the force of attraction of that other body.
- RR 172 ACTIVE SATELLITE: A SATELLITE carrying a STATION intended to transmit or retransmit radiocommunication signals.
- RR 173 REFLECTING SATELLITE: A SATELLITE intended to reflect radiocommunication SIGNALS.

- RR 174 ACTIVE SENSOR: A measuring instrument in the EARTH EXPLORATION-SATELLITE SERVICE or in the SPACE RESEARCH SERVICE by means of which information is obtained by transmission and reception of RADIO WAVES.
- RR 175 PASSIVE SENSOR: A measuring instrument in the EARTH EXPLORATION-SATELLITE SERVICE or in the SPACE RESEARCH SERVICE by means of which information is obtained by reception of RADIO WAVES of natural origin.
- RR 176 ORBIT: The path, relative to a specified frame of reference, described by the centre of mass of a SATELLITE or other object in space subjected primarily to natural forces, mainly the force of gravity.
- RR 177 INCLINATION OF AN ORBIT (of an earth satellite): The angle determined by the plane containing the ORBIT and the plane of the Earth's equator.
- RR 178 PERIOD (of a satellite): The time elapsing between two consecutive passages of a SATELLITE through a characteristic point on its ORBIT.
- RR 179 ALTITUDE OF THE APOGEE or OF THE PERIGEE: The altitude of the apogee or perigee above a specified reference surface serving to represent the Copyright 1987 Klingenfuss Publications Tuebingen Germany surface of the Earth.
- RR 180 GEOSYNCHRONOUS SATELLITE: An earth SATELLITE whose period of revolution is equal to the period of rotation of the Earth about its axis.
- RR 181 GEOSTATIONARY SATELLITE: A GEOSYNCHRONOUS SATELLITE whose circular and direct ORBIT lies in the plane of the Earth's equator and which thus remains fixed relative to the Earth; by extension, a SATELLITE which remains approximately fixed relative to the Earth.
- RR 182 GEOSTATIONARY-SATELLITE ORBIT: The ORBIT in which a SATELLITE must be placed to be a GEOSTATIONARY SATELLITE.

Nomenclature of the frequency and wavelength bands used in radiocommunication

- RR 208 The radio spectrum shall be subdivided into nine frequency bands, which shall be designated by progressive whole numbers in accordance with the following table. As the unit of frequency is the hertz (Hz), frequencies shall be expressed

- in kilohertz (kHz), up to and including 3000 kHz;

- in megahertz (MHz), above 3 MHz, up to and including 3000 MHz;

- in gigahertz (GHz), above 3 GHz, up to and including 3000 GHz.

For bands above 3000 GHz, i. e. centimillimetric waves, micrometric waves and decimicrometric waves, it would be appropriate to use terahertz (THz).

However, where adherence to these provisions would introduce serious difficulties, for example in connection with the notification and registration of frequencies, the lists of frequencies and related matters, reasonable departures may be made.

band number	symbols	frequency range (lower limit exclusive, upper limit inclusive)	corresponding metric subdivision	metric abbreviations for the bands
4	VLF	3 to 30 kHz	myriametric waves	B.Mam
5	LF	30 to 300 kHz	kilometric waves	B.km
6	MF	300 to 3000 kHz	hectometric waves	B.hm
7	HF	3 to 30 MHz	decametric waves	B.dam
8	VHF	30 to 300 MHz	metric waves	B.m
9	UHF	300 to 3000 MHz	decimetric waves	B.dcm
10	SHF	3 to 30 GHz	centimetric waves	B.cm
11	EHF	30 to 300 GHz	millimetric waves	B.mm
12		300 to 3000 GHz	decimillimetric waves	

Note 1: "Band number N" (N = band number) extends from 0.3×10^N Hz to 3×10^N Hz.

Note 2: Prefix: k = kilo (10^3), M = mega (10^6), G = giga (10^9), T = tera (10^{12}).

- RR 209 In communications between administrations and the ITU, no names, symbols or abbreviations should be used for the various frequency bands other than those specified in RR 208.

Nomenclature of dates and times used in radiocommunication

- RR 235 Any date used in relation to radiocommunication shall be according to the Gregorian Calendar.
- RR 236 If in a date the month is not indicated either in full or in an abbreviated form, it shall be expressed in an all-numeric form with the fixed sequence of figures, two of each representing the day, month and year.
- RR 237 Whenever a date is used in connection with Coordinated Universal Time (UTC), this date shall be that of the prime meridian at the appropriate time, the prime meridian corresponding to zero degrees geographical latitude.
- RR 238 Whenever a specified time is used in international radiocommunication activities, UTC shall be applied, unless otherwise indicated, and it shall be presented as a four-digit group (0000-2359). The abbreviation UTC shall be used in all languages.

XX. Aeronautical Mobile Service regulations**1. Terms and definitions**

- AP27.1 FREQUENCY ALLOTMENT PLAN: A plan which shows the frequencies to be used in particular areas without specifying the stations to which the frequencies are to be assigned.
- AP27.2 The terms to express the different methods of frequency distribution as used in this Appendix have the following meanings:
- | | | | |
|----------------|---------------|---------------|--------------|
| frequency dis- | English | French | Spanish |
| tribution to | allocation | attribution | atribución |
| services | (to allocate) | (attribuer) | (atribuir) |
| areas | allotment | allotissement | adjudicación |
| | (to allot) | (allotir) | (adjudicar) |
| stations | assignment | assignation | asignación |
| | (to assign) | (assigner) | (asignar) |
- AP27.3 MAJOR WORLD AIR ROUTE: A long-distance route, made up of one or more segments, essentially international in character, extending through more than one country and requiring long-distance communication facilities.
- AP27.4 MAJOR WORLD AIR ROUTE AREA (MWARA): An area embracing a certain number of Major World Air Routes, which generally follow the same traffic pattern and are so related geographically that the same frequency families may logically be applied.
- AP27.5 REGIONAL AND DOMESTIC AIR ROUTES: All those routes using the Aeronautical Mobile (R) Service not covered by the definition of a Major World Air Route in AP27.3 .
- AP27.6 REGIONAL AND DOMESTIC AIR ROUTES AREA (RDARA): An area embracing a certain number of the air routes defined in AP27.5 .
- AP27.7 VOLMET ALLOTMENT AREA: An area encompassing all points where an HF broadcast facility might be required to operate on a family of frequencies common to the area.
- AP27.8 VOLMET RECEPTION AREA: An area within which aircraft should be able to receive broadcasts from one or more stations in the associated Copyright 1987 Klingenfuss Publications D-7400 Tuebingen Germany VOLMET Allotment Area.
- AP27.8A WORLD-WIDE ALLOTMENT AREA: An area in which frequencies are allotted to provide long-distance communication between an aeronautical station within that allotment area and aircraft operating anywhere in the world. (The type of communication referred to herein may be regulated by administrations.)
- AP27.9 FAMILY OF FREQUENCIES IN THE AERONAUTICAL MOBILE (R) SERVICE: This contains two or more frequencies selected from different aeronautical mobile (R) bands and is intended to permit communication at any time within the authorized area of use (see AP27.189 to AP27.207A) between aircraft stations and appropriate aeronautical stations.

2. Channel characteristics and utilization

- AP27.10 The frequency separation between carrier (reference) frequencies shall be 3 kHz. This is adequate to permit communications using the classes of emission referred to in AP27.49 - AP27.52 in the frequency bands between 2850 kHz and 22000 kHz allocated exclusively to the aeronautical mobile (R) service. The carrier (reference) frequency of the channels in the Plan shall be an integral multiple of 1 kHz.
- AP27.11 For radiotelephone emissions the audio frequencies will be limited to between 300 and 2700 Hz and the occupied bandwidth of other authorized emissions will not exceed the upper limit of J3E emissions. In specifying these limits, however, no restriction in their extension is implied in so far as emissions other than J3E are concerned, provided that the limits of unwanted emissions are met (see AP27.66B and AP27.66C).

- AP27.11A Note: For aircraft and aeronautical station transmitter types first installed before 01 February 1983, the audio frequencies will be limited to 3000 Hz.
- AP27.11B On account of the possibility of interference, a given channel should not be used in the same allotment area for radiotelephony and data transmissions.
- AP27.12 The use of channels derived from the frequencies indicated in AP27.16 for the various classes of emissions other than J3E and H2B will be subject to special arrangements by the administrations concerned and affected in order to avoid harmful interference which may result from the simultaneous use of the same channel for several classes of emission.
- AP27.14 To preclude the possibility of interference, adjacent channels in the list of frequencies in AP27.16 have not as a rule been allotted to the same MWARA, RDARA or VOLMET areas. However, to satisfy particular needs, the administrations concerned may conclude special arrangements, for the assignment of adjacent channels derived from the frequencies in the table (AP27.16).
- AP27.15 The arrangements contemplated in AP27.12 and AP27.14 should be made under the Articles of the International Telecommunication Convention and the Radio Regulations entitled "Special Arrangements".

3. Frequencies allotted

- AP27.16 The list of carrier (reference) frequencies allotted in the bands allocated exclusively to the aeronautical mobile (R) service, on the basis of the frequency separation provided for under AP27.10, will be found in chapter II of this reference book. To calculate the assigned frequency from a carrier (reference) frequency given therein, reference should be made to AP27.72, AP27.72B and AP27.73.

4. Classes of emission

- AP27.49 In the aeronautical mobile (R) service the use of emissions such as those listed below is permissible subject to compliance with the special provisions applicable to each case and provided that such use does not cause harmful interference to other users of the channel concerned.

- AP27.50 Telephony - amplitude modulation:

- double sideband (A3E*)
- single sideband, full carrier (H3E*)
- single sideband, suppressed carrier (J3E)

* A3E and H3E to be used only on 3023 kHz and 5680 kHz as well as in cases covered by Resolution 402, resolves 5. (This prescribes that ... the use of classes of emission H2B, J2B, J2D, J3E and J9X only shall be authorized as of 01 February 1983. Double-sideband operation may, however, be continued for domestic use until 01 February 1987 provided ... that no harmful interference is caused to the international aeronautical mobile (R) service operating in the single-sideband mode. Administrations requiring such an extension of the period of full implementation of single-sideband operation are, nevertheless, urged to cease double-sideband operation as soon as possible.)

- AP27.51 Telegraphy (including automatic data transmission)

- amplitude modulation
 - telegraphy without the use of a modulating audio frequency (by on-off keying) (A1A**)
 - telegraphy by the on-off keying of an amplitude modulating audio frequency or audio frequencies or by the on-off keying of the modulated emission and including selective calling, single sideband, full carrier (H2B)
 - multichannel voice frequency telegraphy, single sideband, suppressed carrier (J2B)

- other transmissions such as automatic data transmission, single sideband, suppressed carrier (J2D)

** see under AP27.52

AP27.52 - frequency modulation

- telegraphy by frequency shift keying without the use of a modulating audio frequency, one of two frequencies being emitted at any instant (F1B**)

** A1A and F1B are permitted provided they do not cause harmful interference to the classes of emission H2B, J2B, J3E and J9D. In addition, care should be taken to place these emissions at or near the centre of the channel. However, a modulating audio frequency is permitted with single sideband transmitters, where the carrier is suppressed.

AP27.72 For single-sideband emissions, except the class of emission H2B, the assigned frequency shall be at a value 1400 Hz above the carrier (reference) frequency.

AP27.72B For classes of emission A1A and F1B the assigned frequency shall be chosen in accordance with the provisions of the footnote to AP27.51 and AP27.52.

AP27.73 The assigned frequency of a station employing double sideband emissions (A3E) shall be at the carrier (reference) frequency.

5. Frequency Allotment Plan by areas (AP27.186 to AP27.189)

(The Frequency Allotment Plan in numerical order of frequencies, headed by AP27.16, will be found in chapter II of this reference book)

MWARAs

AFI	2851.0	2878.0	3419.0	3425.0	3467.0	4657.0	5493.0	5652.0	5658.0	6559.0
	6574.0	6673.0	8894.0	8903.0	11300.0	11330.0	13273.0	13288.0	13294.0	17961.0
CAR	2887.0	3455.0	5520.0	5550.0	6577.0	6586.0	8846.0	8918.0	11387.0	11396.0
	13297.0	17907.0								
CEP	2869.0	3413.0	4657.0	5547.0	5574.0	6673.0	8843.0	10057.0	11282.0	13300.0
	17904.0									
CWP	2998.0	3455.0	4666.0	5652.0	5661.0	6532.0	6562.0	8903.0	10081.0	11384.0
	13300.0	17904.0								
EA	3016.0	3485.0	3491.0	5655.0	5670.0	6571.0	8897.0	10042.0	11396.0	13297.0
	13303.0	13309.0	17907.0							
EUR	3479.0	5661.0	6598.0	10084.0	13288.0	17961.0				
INO	3476.0	5634.0	8879.0	13306.0	17961.0					
MID	2944.0	2992.0	3467.0	3473.0	4669.0	5658.0	5667.0	6625.0	6631.0	8918.0
	8951.0	10018.0	11375.0	13288.0	13312.0	17961.0				
NAT	2872.0	2899.0	2962.0	2971.0	3016.0	3476.0	4675.0	5598.0	5616.0	5649.0
	6622.0	6628.0	8825.0	8831.0	8864.0	8879.0	8891.0	8906.0	11279.0	11309.0
	11336.0	13291.0	13306.0	17946.0						
NCA	3004.0	3019.0	4678.0	5646.0	5664.0	6592.0	10096.0	13303.0	13315.0	17958.0
NP	2932.0	5628.0	6655.0	6661.0	10048.0	11330.0	13300.0	17904.0		
SAM	2944.0	3479.0	4669.0	5526.0	6649.0	8855.0	10024.0	10096.0	11360.0	13297.0
	17907.0									
SAT	2854.0	2935.0	3452.0	5565.0	6535.0	8861.0	11291.0	13315.0	13357.0	17955
SEA	3470.0	3485.0	5649.0	5655.0	6556.0	8942.0	10066.0	11396.0	13309.0	13318.0
	17907.0									
SP	3467.0	5559.0	5643.0	8867.0	10084.0	11327.0	13300.0	17904.0		

RDARAs

1B	2860.0	2881.0	2890.0	3458.0	3473.0	3488.0	5484.0	5568.0	6550.0	6595.0
	10066.0									
1C	2977.0	2983.0	3464.0	3470.0	4666.0	5577.0	5595.0	6544.0	8840.0	11366.0
1D	2974.0	2980.0	2989.0	3410.0	3416.0	3446.0	4651.0	5622.0	5628.0	5637.0
	6604.0	6610.0	8828.0	10060.0	11384.0					
1E	2965.0	3491.0	5583.0	6667.0	10036.0					

2	2938.0 2950.0 4696.0 5556.0 6583.0 6601.0 8846.0 8855.0 8888.0 10015.0 10045.0 11297.0 11360.0 11390.0 13321.0 13357.0 17964.0
2A	2851.0 2863.0 2869.0 2875.0 2881.0 2887.0 2896.0 2917.0 2926.0 2932.0 2941.0 3416.0 3422.0 3434.0 3440.0 3455.0 4657.0 4672.0 4690.0 5481.0 5490.0 5496.0 5502.0 5523.0 5547.0 5559.0 5604.0 6526.0 6532.0 6547.0 6553.0 6559.0 6565.0 6574.0 6673.0 8822.0 8876.0 8909.0 8939.0 10048.0 10054.0 11276.0 11285.0 11294.0
2B	2857.0 2869.0 2875.0 2881.0 2887.0 2896.0 2902.0 2908.0 2914.0 2920.0 2929.0 3401.0 3407.0 3416.0 3422.0 3428.0 3449.0 4660.0 4672.0 4681.0 4690.0 4693.0 5490.0 5496.0 5502.0 5508.0 5520.0 5526.0 5550.0 5574.0 5595.0 5607.0 5613.0 5619.0 6526.0 6532.0 6562.0 6568.0 6577.0 6655.0 6661.0 6667.0 8819.0 8834.0 8864.0 10009.0 10024.0 11279.0 11333.0 11339.0
2C	2857.0 2863.0 2866.0 2884.0 2893.0 2902.0 2908.0 2914.0 2920.0 2926.0 2932.0 3401.0 3407.0 3428.0 3434.0 3440.0 3449.0 3455.0 4657.0 4660.0 4681.0 4693.0 5481.0 5487.0 5508.0 5514.0 5520.0 5526.0 5550.0 5562.0 5574.0 5586.0 5604.0 6535.0 6541.0 6547.0 6553.0 6562.0 6568.0 6577.0 6586.0 8819.0 8834.0 8882.0 8939.0 10009.0 10024.0 10054.0 11276.0 11333.0 11372.0
3	2893.0 2935.0 4693.0 5556.0 6583.0 6589.0 8846.0 8954.0 10087.0 11318.0 11336.0 11360.0 13267.0 13321.0 17910.0
3A	2854.0 2860.0 2869.0 2875.0 2881.0 2887.0 2896.0 2905.0 2911.0 2923.0 2959.0 3404.0 3416.0 3422.0 3431.0 3443.0 3452.0 4672.0 4684.0 4690.0 5484.0 5490.0 5496.0 5502.0 5511.0 5517.0 5568.0 5580.0 5601.0 5625.0 5626.0 6532.0 6538.0 6544.0 6550.0 6556.0 6607.0 6613.0 6619.0 6649.0 8837.0 8861.0 8900.0 8942.0 10045.0 10057.0 11309.0 11324.0 11330.0
3B	2851.0 2854.0 2872.0 2878.0 2884.0 2902.0 2908.0 2914.0 2968.0 3401.0 3407.0 3413.0 3419.0 3425.0 3431.0 3437.0 3443.0 4657.0 4681.0 5493.0 5499.0 5505.0 5514.0 5520.0 5526.0 5550.0 5562.0 5580.0 5601.0 6529.0 6538.0 6544.0 6559.0 6568.0 6577.0 6595.0 6625.0 6631.0 8822.0 8852.0 8861.0 8879.0 8957.0 10024.0 10039.0 11285.0 11291.0 11327.0 11372.0
3C	2851.0 2860.0 2866.0 2878.0 2905.0 2950.0 2974.0 2980.0 2986.0 3404.0 3410.0 3419.0 3425.0 3452.0 4684.0 5484.0 5514.0 5562.0 5568.0 5586.0 5637.0 5643.0 6550.0 6556.0 6595.0 6658.0 6664.0 6670.0 8837.0 8852.0 8894.0 8915.0 10039.0 11291.0 11303.0 11324.0 11378.0
4	6565.0 8873.0 13300.0 17904.0
4A	2926.0 2953.0 3437.0 3491.0 4672.0 5547.0 5559.0 6526.0 6532.0 6616.0 8816.0 8837.0 8858.0 10039.0 10081.0 11282.0 11318.0
4B	2866.0 2893.0 3443.0 5481.0 5574.0 5604.0 6553.0 6577.0 6598.0 10063.0 11324.0
5	8870.0 8885.0 10012.0 11312.0 11327.0 13354.0 17949.0 17967.0
5A	2986.0 3452.0 5577.0 5583.0 6544.0 6664.0 8822.0 8915.0 11288.0
5B	2911.0 2968.0 3431.0 3488.0 5511.0 5568.0 5625.0 6550.0 6595.0 8912.0 10093.0
5C	2905.0 3452.0 5583.0 6544.0 8822.0
5D	2899.0 2971.0 3482.0 5526.0 5550.0 6535.0 6547.0 8843.0 10048.0
6	8840.0 11381.0 13291.0 17943.0
6A	2872.0 2923.0 2947.0 3001.0 3479.0 4657.0 4675.0 5484.0 5580.0 5601.0 6607.0 6613.0 6658.0 8891.0 8906.0 8948.0 10006.0 10051.0 10081.0 11321.0 11357.0
6B	2857.0 2920.0 3479.0 3488.0 5502.0 5595.0 5625.0 6607.0 6613.0 6619.0 8864.0 8885.0 10021.0 10093.0 11339.0 11366.0 17955.0
6C	2881.0 2956.0 3473.0 4651.0 5550.0 5580.0 6544.0 6631.0 8834.0 8918.0 10015.0
6D	2866.0 2884.0 3416.0 5490.0 5520.0 5568.0 5574.0 5631.0 6550.0 6568.0 6577.0 6595.0 8882.0 8957.0 11309.0 11372.0
6E	2854.0 2872.0 2917.0 3001.0 3443.0 4657.0 4675.0 5514.0 5526.0 5550.0 6583.0 6655.0 6661.0 8861.0 8906.0 8909.0 10036.0 10051.0 10084.0 11357.0 11363.0
6F	2926.0 2941.0 3434.0 3440.0 5496.0 5508.0 6526.0 6667.0 8864.0 8939.0 10060.0 11279.0 11366.0

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13C	2863.0	2869.0	2992.0	3413.0	3458.0	3473.0	5490.0	5514.0	5553.0	5571.0
	5577.0	6541.0	6556.0	6562.0	6568.0	6580.0	8819.0	8834.0	8843.0	8939.0
	10042.0	11327.0	11375.0	13309.0						
13D	2914.0	2983.0	3425.0	3467.0	4660.0	5460.0	5562.0	6622.0	6628.0	6673.0
	8867.0	8912.0	8957.0	10084.0	11318.0					
13E	2851.0	3491.0	4651.0	4663.0	5481.0	5583.0	5604.0	6553.0	6577.0	8858.0
	11303.0	17967.0								
13F	2851.0	2956.0	2998.0	3446.0	3476.0	4651.0	4663.0	5454.0	5481.0	5583.0
	5604.0	6547.0	6553.0	8831.0	8858.0	8864.0	10081.0	11321.0	11330.0	17967.0
13G	2872.0	2971.0	3016.0	3434.0	3470.0	4675.0	5469.0	5475.0	5574.0	6586.0
	6613.0	8822.0	8885.0	8900.0	10006.0	10021.0	10036.0	11369.0		
13H	2899.0	2965.0	3455.0	3485.0	4657.0	5463.0	5472.0	5484.0	5547.0	6598.0
	8825.0	8906.0	10036.0	10045.0	11282.0	11300.0	13267.0			
13I	2860.0	2878.0	2887.0	3419.0	4678.0	4693.0	5451.0	5466.0	5496.0	5523.0
	6574.0	8873.0	10051.0							
13J	2857.0	2863.0	2878.0	2890.0	2920.0	3410.0	3428.0	3458.0	4684.0	4696.0
	5451.0	5454.0	5559.0	5568.0	5577.0	6550.0	6559.0	6580.0	8816.0	8843.0
	10012.0	10018.0	10042.0	11276.0						
13K	2863.0	2932.0	3004.0	3019.0	3401.0	3458.0	3464.0	4663.0	4672.0	5463.0
	5481.0	5547.0	5577.0	5604.0	6547.0	6553.0	6580.0	8843.0	8849.0	8945.0
	10009.0	10018.0	10042.0	10060.0	11339.0	11366.0	13309.0			
13M	2908.0	2977.0	3437.0	3449.0	4660.0	4690.0	5463.0	5502.0	6574.0	6628.0
	8837.0	8867.0	8903.0	10066.0	11378.0					
13N	2986.0	3443.0	5457.0	5508.0	6604.0	8828.0	10093.0			
14	2851.0	2878.0	3446.0	3461.0	3479.0	5526.0	5604.0	6580.0	6628.0	8822.0
	8855.0	8870.0	10045.0	10087.0	11360.0	13264.0	17946.0			
14A	2950.0	3413.0	4678.0	6547.0	6553.0	8816.0	8894.0			
14B	3488.0	4684.0	6535.0	6604.0	6673.0	8900.0	8954.0			
14C	2887.0	3452.0	4684.0	6541.0	6586.0	8885.0	8912.0			
14D	2950.0	3407.0	4693.0	5481.0	6559.0	6574.0	8843.0	8858.0		
14E	3413.0	6565.0	6616.0	8891.0	8945.0					
14F	3488.0	6526.0	6610.0	8825.0	8831.0					
14G	2869.0	2944.0	4678.0	5481.0	5550.0	5580.0	8876.0	8957.0		

VOLMET areas

VAFI	2860.0	3404.0	5499.0	6538.0	8852.0	10057.0	13261.0
VCAR	2950.0	5580.0	11315.0				
VEUR	2998.0	3413.0	5640.0	6580.0	8957.0	11378.0	13264.0
VMID	2956.0	5589.0	8945.0	11393.0			
VNAT	2905.0	3485.0	5592.0	6604.0	8870.0	10051.0	13270.0
VNCA	3461.0	4663.0	5676.0	10090.0	13279.0		
VPAC	2863.0	6679.0	8828.0	13282.0			
VSAM	2881.0	5601.0	10087.0	13279.0			
VSEA	2965.0	3458.0	5673.0	6676.0	8849.0	11387.0	13285.0

World-wide allotment areas

W I	3010.0	4654.0	4687.0	5529.0	5532.0	5535.0	5541.0	6637.0	6643.0	8921.0
	8924.0	8930.0	8936.0	10027.0	10030.0	10069.0	10072.0	10078.0	11345.0	
	11351.0	13324.0	13327.0	13333.0	13336.0	13342.0	13345.0	13351.0	17916.0	
	17922.0	17931.0	21940.0	21946.0	21952.0	21958.0	21967.0	21973.0	21979.0	
	21988.0	21997.0								
W II	3007.0	3013.0	3494.0	3497.0	4654.0	4687.0	5529.0	5538.0	5544.0	6637.0
	6640.0	6646.0	8927.0	8933.0	8936.0	10027.0	10033.0	10075.0	11342.0	11348.0
	11354.0	13330.0	13339.0	11354.0	13330.0	13339.0	13348.0	17919.0	17925.0	
	17934.0	17940.0	21964.0	21985.0						
W III	3007.0	4687.0	6637.0	8921.0	8930.0	10072.0	10078.0	11342.0	11351.0	13324.0
	13333.0	13342.0	13351.0	17916.0	17922.0	17928.0	17934.0	17940.0	21949.0	
	21970.0									
W IV	3010.0	5535.0	5541.0	6643.0	8924.0	10030.0	10069.0	11345.0	13327.0	13336.0
	13345.0	17919.0	17928.0	17937.0	21955.0	21976.0	21991.0			

W V 3013.0 5532.0 5538.0 5544.0 6640.0 6646.0 8927.0 8933.0 10033.0 10075.0
 11348.0 11354.0 13330.0 13339.0 13348.0 17925.0 17931.0 17937.0 21943.0
 21961.0 21982.0 21994.0

6. Frequencies for common use

AP27.208 The carrier (reference) frequencies 3023 kHz and 5680 kHz are intended for common use on a world-wide basis.

AP27.209 The use of these frequencies in any part of the world is authorized:

- aboard aircraft for
 - a) communications with approach and aerodrome control;
 - b) communication with an aeronautical station when other frequencies of the station are either unavailable or unknown;
- at aeronautical stations for aerodrome and approach control under the following conditions:
 - a) with mean power limited to a value of not more than 20 watts in the antenna circuit;
 - b) special attention must be given in each case to the type of antenna used in order to avoid harmful interference;
 - c) the power of aeronautical stations which use these frequencies in accordance with the above conditions may be increased to the extent necessary to meet certain operational requirements subject to coordination between the administrations directly concerned and those whose services may be adversely affected.

AP27.210 Notwithstanding these provisions, the frequency 5680 kHz may also be used at aeronautical stations for communication with aircraft stations when other frequencies of the aeronautical stations are either unavailable or unknown. However, this use shall be restricted to such areas and conditions that harmful interference cannot be caused to other authorized operations of stations in the aeronautical mobile service.

AP27.211 Additional particulars regarding the use of these channels for the above purposes may be recommended by the meetings of ICAO.

AP27.212 Frequencies 3023 kHz and 5680 kHz may also be used by stations of other mobile services participating in coordinated air-surface search and rescue operations, including communications between these stations and participating land stations. Aeronautical stations are authorized to use these frequencies to establish communications with such stations.

AP27.213 These channels may be used for A1A or A3E emissions, in accordance with special arrangements. Such channels shall not be subdivided.

AP27.214 All stations participating directly in coordinated search and rescue operations and using frequencies 3023 kHz and 5680 kHz shall transmit solely on the upper sideband except in the cases provided for in AP27.50 .

XXI. Maritime Mobile Service regulations**1. Bands up to 4 MHz**

In Region 1, frequencies assigned to maritime stations operating in the bands between 1606.5 kHz and 3800.0 kHz should, whenever possible, be in accordance with the following Table of Recommended Assignable Frequencies:

1606.5 - 1625.0*	coast stations, NBDPT, DSC; channels spaced 0.5 kHz and frequencies paired with those marked * below
1635.0 - 1800.0**	coast stations, SSB; channels spaced 3.0 kHz and frequencies paired with those marked ** below; first channel = 1635.0
1850.0 - 1950.0	coast stations, SSB; channels spaced 3.0 kHz; first channel = 1851.0
1950.0 - 2045.0	ship stations, SSB; channels spaced 3.0 kHz; first channel = 1951.0
2045.0 - 2141.5**	ship stations, SSB; channels spaced 3.0 kHz and frequencies paired with those marked ** above; first channel = 2045.0
2141.5 - 2160.0*	ship stations, NBDPT, DSC; channels spaced 0.5 kHz and frequencies paired with those marked * above
2194.0 - 2262.5	ship stations, SSB; channels spaced 3.0 kHz; first channel = 2195.0
2262.5 - 2498.0	intership, SSB; channels spaced 3.0 kHz; first channel = 2263.0
2502.0 - 2578.0	ship stations, NBDPT; channels spaced 0.5 kHz; first channel = 2502.5 kHz
2578.0 - 2850.0	coast stations, NBDPT, SSB; channels spaced 3.0 kHz; first channel = 2579.0 - or: channels spaced 0.5 kHz; first channel = 2578.5
3155.0 - 3200.0	ship stations, NBDPT; channels spaced 0.5 kHz; first channel = 3155.5
3200.0 - 3340.0	ship stations, SSB; channels spaced 3.0 kHz; first channel = 3201.0
3340.0 - 3400.0	intership, SSB; channels spaced 3.0 kHz; first channel = 3340.0
3500.0 - 3600.0	intership, SSB; channels spaced 3.0 kHz; first channel = 3500.0
3600.0 - 3800.0	coast stations, SSB; channels spaced 3.0 kHz; first channel = 3601.0

2. 25 MHz band

25010.0 - 25070.0	coast stations
25070.0 - 25076.0	ship stations; calling frequencies; A1A or A1B Morse telegraphy; channels spaced 2.0 kHz; first channel = 25071.0
25076.0 - 25090.1	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies non-paired; first channel = 25076.3
25090.1 - 25110.0	ship stations; working frequencies; A1A or A1B Morse telegraphy; channels spaced 0.5 kHz; first channel = 25091.5
25110.0 - 25600.0	coast stations
26100.0 - 27500.0	coast stations

3. Bands between 4 and 22 MHz

limits	4063.0	6200.0	8195.0	12330.0	16460.0	22000.0
first channel*	4064.4 (401)	6201.4 (601)	8196.4 (801)	12331.4 (1201)	16461.4 (1601)	22001.4 (2201)
assignment	ship stations; duplex telephony; channels spaced 3.1 kHz and frequencies paired with those marked * below; (number of first channel in brackets)					
limits	4143.6	6218.6	8291.1	12429.2	16587.1	22124.0
first channel	4145.0	6220.0	8292.5	12430.6	16588.5	22125.4
assignment	ship and coast stations; simplex telephony; channels spaced 3.1 kHz (but 3.0 kHz on 6 MHz)					
limits	4146.6	6224.6	8297.3	12439.5	16596.4	22139.5
first channel	-	-	8297.6	-	-	-
assignment	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies non-paired					
limits	4146.6	6224.6	8300.0	12439.5	16596.4	22139.5
first channel	4148.6	6226.6	8302.0	12441.5	16598.4	22142.0
assignment	ship stations; wide-band telegraphy, facsimile and special transmission systems; channels spaced 4 kHz					
limits	4162.5	6244.5	8328.0	12479.5	16636.5	22160.5
first channel	4162.9	6244.9	8328.4	12479.9	16636.9	22160.9
assignment	ship stations; oceanographic data transmission; channels spaced 0.3 kHz					
limits	4166.0	6248.0	8331.5	12483.0	16640.0	22164.0
first channel	4168.0	6250.0	8333.5	12485.0	16642.0	22166.0
assignment	ship stations; wide-band telegraphy, facsimile and special transmission systems; channels spaced 4 kHz					
limits	4170.0	6256.0	8343.5	12491.0	16660.0	22192.0
first channel**	4170.5	6256.5	8344.0	12491.5	16660.5	22192.5
assignment	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies paired with those marked ** below					
limits	4177.25	6267.75	8357.25	12519.75	16694.75	22225.75
first channel	4177.5	6268.0	8357.5	12520.0	16695.0	22226.0
assignment	ship stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies non-paired					
limits	4179.75	6269.75	8357.75	12526.75	16705.8	22227.0
first channel	-	-	8358.5	12528.0	16707.0	-
assignment	ship stations; working frequencies; A1A or A1B Morse telegraphy; channels spaced 0.5 kHz					

MMS REGULATIONS 3

limits	4179.75	6269.75	8359.75	12539.6	16719.8	22227.0
first channel assignment	4180.0	6270.0	8360.0	12540.0	16720.0	22227.0
	ship stations; calling frequencies; A1A or A1B Morse telegraphy; channel spacing: 4 MHz = 0.4 kHz; 6 MHz = 0.6 kHz; 8 MHz = 0.8 kHz; 12 MHz = 1.2 kHz; 16 MHz = 1.6 kHz; 22 MHz = 2.0 kHz; first channel and spacing not specified					
limits	4187.2	6280.8	8374.4	12561.6	16748.8	22247.0
first channel assignment	4187.5	6281.5	8375.0	12562.0	16750.0	22248.0
	ship stations; digital selective calling; channels spaced 0.5 kHz					
limits	4188.25	6282.25	8376.0	12564.0	16752.0	22250.0
first channel assignment	4188.5	6282.75	8377.0	12565.5	16754.0	22250.5
	ship stations; working frequencies; A1A or A1B Morse telegraphy; channels spaced 0.5 kHz (but 0.75 kHz on 6 MHz)					
limits	4219.4	6325.4	8435.4	12652.3	16859.4	22310.5
assignment	coast stations; wide-band and A1A or A1B Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems; first channel and spacing not specified					
limits	4349.4	6493.9	8704.4	13070.8	17196.9	22561.0
first channel** assignment	4350.0	6494.5	8705.0	13071.5	17197.5	22561.5
	coast stations; narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 Bauds; channels spaced 0.5 kHz and frequencies paired with those marked ** above					
limits	4356.75	6505.75	8718.25	13099.75	17231.75	22594.75
first channel assignment	4357.0	6506.0	8718.5	13100.0	17232.0	22595.0
	coast stations; digital selective calling; channels spaced 0.5 kHz					
limits	4357.4	6506.4	8718.9	13100.8	17232.9	22596.0
first channel* assignment	4358.8 (401)	6507.8 (601)	8720.3 (801)	13102.2 (1201)	17234.3 (1601)	22597.4 (2201)
	coast stations; duplex telephony; channels spaced 3.1 kHz and frequencies paired with those marked * above; (number of first channel in brackets)					
limits	4438.0	6525.0	8815.0	13200.0	17360.0	22720.0

XXII. Standard telegram format regulations**1. Introduction**

Radiotelegraphy is still used for many fixed circuits. The telegrams are transmitted in a standard telecommunication format.

Telegram examples given in this chapter are only intended to illustrate the correct formatting of telegrams. The texts are fictitious. Groups such as NATO routing indicators, channel indicators, destination and origin indicators do not necessarily reflect current usage or routing arrangements in the telegraph offices concerned.

For service codes and abbreviations see chapter XXIII. For the message formats used in aeronautical and meteorological communication see our AIR AND METEO CODE MANUAL.

2. Message format

A telegram comprises

- the heading, which shall include the information needed for identification and, if necessary, for the routing of the telegram;
- the address (including the service indication, if any);
- the text (including the signature, if any);
- the routine repetition (if required);
- the end-of-message signals.

First part: HEADING

The heading of a telegram consists of

- the numbering line, containing
 - the start signal ZCZC ;
 - the channel sequence number(s) consisting of the 3-letter channel indicator and the 3-figure message number on the channel;
 - the telegram identification group (consisting of up to 15 characters);
- the pilot line (where it is required), containing
 - the four-letter destination indicator (see paragraph 3);
 - the two-letter priority and tariff indicator (see paragraph 4);
 - the four-letter origin indicator (see paragraph 3);
 - the 3-figure number of chargeable words (taken from the preamble line);
 - the customer identification group (if any) (any combination of letters and/or figures, for accounting purposes);
- the preamble line, containing
 - the name of the office of origin as it appears in the first column of the List of Telegraph Offices;
 - the number of words. When the number of chargeable words is the same as the number of actual words, it shall be shown as a single number. When the number of chargeable words is different from the number of actual words, both shall be shown, separated by a fraction bar with the number of chargeable words first;
 - the date (2-figure group) and time (4-figure group) of handing in of the telegram;
 - the service instructions (if any).

Second part: ADDRESS

The address of a telegram consists of

- the service indications, if any;
- the address.

Third part: TEXT

The text of a telegram must be continuous and written in characters that have an equivalent in the standard teleprinter alphabet ITA2 (see chapter V in our RADIOTELETYPE CODE MANUAL). A signature shall not be compulsory.

Fourth part: ROUTINE REPETITION

Routine repetition means the repetition in whole or in part of a telegram by the office responsible for its transmission. Any such repetition shall be preceded by the abbreviation COL .

For all telegrams, routine repetition shall be compulsory for isolated figures and mixed groups containing figures in the address or text parts.

In telegrams of more than 50 words, routine repetition shall be given at the end of every page.

Fifth part: END-OF-MESSAGE SIGNALS

Ending signal NNNN

3. Destination indicators

A destination indicator must be assigned to each office directly concerned with the telegram retransmission system. Offices handling a large amount of international traffic should also be assigned a destination indicator. In each country at least one destination indicator (an "all others" indicator) must be chosen for offices not assigned their own destination indicator.

Each destination indicator consists of four letters. The first two letters characterize, in a uniform way, a particular destination country or a particular network in the destination country. The third and fourth letters characterize the office of destination in that country or network.

Particular combinations:

- ..MV The combinations MV , SV , XQ and YQ as the third and fourth letters of indicators should preferably be reserved for the segregation of particular types of telegram at gateway cities or at major international telegraph offices
- ..SV (see ..MV)
- ..XQ (see ..MV)
- ..XX Where there is only one indicator for all offices in a country, the last two letters should be XX
- ..YQ (see ..MV)
- ...X The last letter of an "all others" indicator will always be X
- ..ZZ Destination indicators having ZZ as the third and fourth letters should be strictly reserved for automatic service advices, which are designed to trigger an automatic action at a connected telegram retransmission centre
- XQXQ The destination indicator XQXQ is reserved for use in emergency broadcast messages concerning a total system failure

A...	Austria
AA..	Australia
AB..	Albania
AD..	Yemen (People's Dem. Rep. of)
ADAN	Aden
AF..	Afghanistan
AFKL	Kabul
AK..	Antigua and Barbuda
AN..	Angola
AR..	Argentina
AV..	Ascension
B...	Belgium
BA..	Bermuda
BC..	Benin
BD..	Botswana
BEAN	Antwerpen
BEB.	Brussels
BG..	Bulgaria
BI..	Guinea-Bissau
BJ..	Bangla Desh
BUCG	Chittagong

BJD.	Dhaka
BM..	Burma
BN..	Bahrain
BP..	Bophuthatswana
BR..	Brazil
BS..	Bahamas
BU..	Brunei
BV..	Bolivia (ENTEL)
BZ..	Belize
C...	Czechoslovakia
CA..	Canada (except TWX)
CB..	Chile (ENTEL)
CE..	Sri Lanka
CH..	Switzerland
CI..	Ivory Coast
CK..	Chile (TC)
CL..	Chile (Telex Chile)
CN..	China
CNDR	Dairen
CNKC	Kwangchow
CNQD	Qingdao

CNSH	Shanghai	GY..	Guyana
CNTT	Tientsin	H...	Hungary
CO..	Colombia	HI..	Haiti
CP..	Cayman Islands	HL..	Saint Helena
CR..	Costa Rica	HM..	Hawaii (AACR)
CSP.	Prague	HO..	Honduras
CT..	Chile (TEXCOM)	HQ..	Solomon Islands
CU..	Cuba	HR..	Hawaii (RCA)
CUHN	Habana	HUBU	Budapest
CV..	Cape Verde	HW..	Hawaii (WUI)
CX..	Ciskei	HX..	Hong Kong
CY..	Cyprus	I...	Italy
CYNC	Nicosia	IA..	Indonesia
CZ..	Chile (ITTCHL)	IK..	Iraq
D...	Germany (Federal Republic of)	IKB.	Baghdad
DD..	German Democratic Republic	IL..	Israel
DG..	Diego Garcia	ILHA	Haifa
DH..	Qatar	ILJM	Jerusalem
DI..	Dominican Republic (AACR)	ILT.	Tel Aviv
DJ..	Jibuti	IN..	India
DK..	Denmark	INB.	Bombay
DKCN	Copenhagen	INCA	Calcutta
DO..	Dominica	INMS	Madras
DR..	Dominican Republic (RCA)	INND	Delhi
DZ..	Algeria	IR..	Iran
E...	Spain	IRTN	Tehran
ED..	Ecuador	IS..	Iceland
EG..	Equatorial Guinea	ITBG	Bergamo
EI..	Ireland	ITBI	Biella
EM..	United Arab Emirates (EMIRTEL)	ITBS	Brescia
ESBA	Barcelona	ITMI	Milano
ESBL	Bilbao	ITNA	Napoli
ET..	Ethiopia	ITPS	Pesaro
ETAD	Addis Ababa	ITR.	Rome
F...	France	IW..	Mauritius
FA..	Faroe Islands	J...	Japan
FG..	Guiana (French)	JA..	Jamaica
FJ..	Fiji	JO..	Jordan
FK..	Falkland Is. (Malvinas) and Dps.	JPO.	Osaka
FL..	Liechtenstein	JPT.	Tokyo
FP..	Polynesia (French)	K...	Korea (Republic of)
FRP.	Paris	KA..	Kampuchea
G...	United Kingdom	KC..	Saint Christopher and Nevis
GA..	Grenada	KD..	Chad
GBBD	Bradford	KE..	Kenya
GBBM	Birmingham	KG..	Congo
GBGW	Glasgow	KI..	Kiribati
GBL.	London	KN..	Cameroon
GBMR	Manchester	KO..	Comoros
GBPS	Portishead Radio	KP..	Korea (Dem. People's Rep. of)
GD..	Greenland	KT..	Kuwait
GE..	Guinea	LA..	Anguilla
GECY	Conakry	LC..	Saint Lucia
GH..	Ghana	LE..	Lebanon
GK..	Gibraltar	LEBH	Beirut
GL..	Guadeloupe	LELE	Beirut
GM..	Guam (RCA)	LETR	Tripoli
GO..	Gabon	LI..	Liberia
GR..	Greece	LO..	Lesotho
GRAS	Athens	LS..	Laos
GU..	Guatemala	LU..	Luxembourg
GV..	Gambia	LY..	Libya

LYBE	Benghazi	PP..	Puerto Rico (WUI CARIB)
M...	Morocco	PS..	Philippines (CAPWIRE)
MA..	Malaysia	PT..	Puerto Rico (RCAC)
MC..	Monaco	PU..	Philippines (Philippine Telegraph and Telephone Corporation)
ME..	Mexico	PY..	Paraguay
MF..	Maldives	QN..	Saint Pierre and Miquelon
MG..	Madagascar	R...	Romania
MH..	Mongolia	RC..	Central African Republic
MI..	Malawi	RE..	Reunion
MJ..	Mali	RG..	Cook Islands
MK..	Montserrat	RMBU	Bucharest
MN..	Mariana Islands	RS..	Singapore
MO..	Mozambique	RSSE	Singapore
MQ..	Mauritania	RW..	Rwanda
MR..	Martinique	RWKI	Kigali
MS..	Marshall Islands	S...	Sweden
MT..	Malta (GTC)	SA..	South Africa (Republic of)
MW..	Malta (TELEMALTA)	SB..	Samoa (American)
N...	Norway	SD..	Sudan
NA..	Netherlands Antilles	SDK.	Khartoum
NE..	Papua New Guinea	SDPS	Port Sudan
NF..	Niue Island	SE..	Sierra Leone
NG..	Nigeria	SF..	Finland
NGJS	Jos	SFHE	Helsinki
NGKD	Kaduna	SG..	Senegal
NGKN	Kano	SGD.	Dakar
NGL.	Lagos	SJ..	Saudi Arabia
NGMG	Maiduguri	SM..	Somalia
NGZA	Zaria	SN..	Suriname
NH..	Vanuatu	SO..	San Marino
NI..	Niger	SR..	El Salvador
NINY	Niamey	ST..	Sao Tome and Principe
NL..	Netherlands	SU..	Union of Soviet Soc. Republics
NLAM	Amsterdam	SUKV	Kiyev
NLRM	Rotterdam	SUM.	Moscow
NM..	New Caledonia	SUOO	Odessa
NOOO	Oslo	SUTB	Tbilisi
NP..	Nepal	SX..	Samoa (Western)
NU..	Nicaragua	SY..	Syria
NV..	Norfolk Island	SYAL	Aleppo
NZ..	New Zealand	SYD.	Damascus
OM..	Macao	SYLA	Lattakia
OMMA	Macao	SZ..	Seychelles
ON..	Oman	TA..	Tanzania
P...	Portugal	TH..	Thailand
PA..	Panama (TRT)	THBK	Bangkok
PB..	Puerto Rico (TRT)	TL..	Tokelau Islands
PCOO	Porto	TN..	Tunisia
PD..	Puerto Rico (AACR)	TO..	Togo
PE..	Peru	TQ..	Turks and Caicos Islands
PG..	Panama (INTEL)	TR..	Turkey
PH..	Philippines (PHILCOM)	TRIS	Istanbul
PK..	Pakistan	TS..	Tonga
PKKR	Karachi	TT..	Transkei
PKPR	Peshawar	TV..	Tuvalu
PL..	Poland	UA..	Alaska (RCA)
PLGD	Gdynia	UB..	United States of America (Graphnet Corporation)
PLLO	Lodz	UD..	United States of America (Western Union Telegraph Company)
PLWA	Warsaw		
PM..	Philippines (ITT Globe-Mackay Cable and Radio Corporation)		
PN..	Philippines (ETPI)		

UF..	United States of America (FTCC Telecommunications)	VN..	Virgin Islands (United States) and Saint Croix
UG..	Uganda	VQ..	Saint Vincent and the Grenadines
UI..	United States of America (ITT)	VT..	Viet Nam
UINY	New York	VTHA	Hanoi
UN..	Egypt	WB..	Barbados
UNAA	Alexandria	WD..	Swaziland
UNC.	Cairo	WF..	Wallis and Futuna Islands
UQ..	United States of America (TWX)	WG..	Trinidad and Tobago
UR..	United States of America (RCA)	WK..	Namibia
UT..	United States of America (TRT)	X...	INMARSAT
UU..	Burundi	YE..	Yemen Arab Republic
UUJU	Usumbura	YU..	Yugoslavia
UV..	Bourkina Faso	YUB.	Belgrade
UTMI	Miami	YULJ	Ljubljana
UW..	United States of America (WUI)	YUZB	Zagreb
UY..	Uruguay	ZA..	Zambia
VA..	Vatican City State	ZALU	Lusaka
VAVS	Vatican City	ZR..	Zaire
VB..	Virgin Islands (British)	ZV..	Nauru
VC..	Venezuela	ZW..	Zimbabwe
VM..	Venda		

4. Priority and tariff indicators

Each priority and tariff indicator consists of two letters. The first letter characterizes the priority class and the second letter characterizes the tariff class of the telegram.

First letter: priority class

- A SVH telegrams
- B ETATPRIORITE telegrams
- OBS telegrams
- ordinary private telegrams with urgent transmission and delivery
- paid service advices
- press telegrams with urgent transmission and delivery
- RCT telegrams with urgent transmission and delivery
- service advices with urgent transmission and delivery
- service telegrams with urgent transmission and delivery
- C government telegrams
- ordinary private telegrams
- press telegrams
- RCT telegrams
- service advices
- service telegrams
- telegrams giving confirmation of delivery
- H letter telegrams (including government letter telegrams)

Second letter: tariff class

- D press telegrams with urgent transmission and delivery
- J POSTFIN telegrams
- K government telegrams where preferential rate is to be charged
- L letter telegrams
- M meteorological telegrams
- N non-chargeable telegrams
- O ordinary private telegrams
- P press telegrams
- Q telegrams involving special accounting features
- R RCT telegrams
- U telegrams (other than RCT and press telegrams) with urgent transmission and delivery
- V divided telegrams

X for use by transit offices when inserting the pilot line on transit telegrams
 Y government full-rate telegrams
 Z government letter-rate telegrams

5. Examples on standard telegrams

Ordinary private telegram with service indication

zczc aoe262 ldb814 pld606
 aasd co gbld 018
 london/ld 18/16 22 1430

lx
 harris 2462 southernhighway
 sydney

congratulations on your promotion and
 best wishes for the future
 john

col 2462

nnnn

zczc	start signal
aoe262	channel sequence number: message number 262 on channel AOE
ldb814 ...	preceding channel sequence numbers: message number 814 on channel LDB; message number 606 on channel PLD
aasd	destination indicator: Australia, Sydney
c	priority indicator: class C, ordinary private telegram
o	tariff indicator: class O, ordinary private telegram
gbld	origin indicator: United Kingdom, London
018	number of chargeable words: 18
london/ld	name of the office of origin as it appears in the first column of the List of Telegraph Offices: LONDON/LD
18	number of chargeable words: 18
/16	number of actual words: 16
22	date: 22nd day of the month
1430	time: 1430 legal time
lx	service indication: de luxe form
harris ...	address
...	
congrats...	text
...	
col 2462	I give routine repetition: 2462
nnnn	ending signal

Multi-page telegram

zczc gwb608 mka296 azt044
 gblv hl urny 076
 new york 76/72 10 1826 page 1/50

lt
 soapbox
 liverpool

00503 your telegram modev6 of march 1 for
 graduate volunteers grateful for what you propose
 stop would only press for third category named if
 results of recruitment permitted but for
 practical reasons would be glad if they did so
 please telegraph prospects for export activity
 distribution arrangements

col 00503 modev6 1

azt044 soapbox page 2/22

urgent x can we ship 5000 lbs k685 ex puk on
 braemar sailing london march 18 x cable
 mackenzies kampala immediately
 smithco

col 5000 k685 18

nnnn

Service note for a situation report

zczc xq
gxxq bn frxq 000
paris 09 1031

lrls lpa130 pla444
lpb870 plb009
missing lpa040/043

nnnn

Service note requesting automatic re-run of one message

zczc xq
dpxq bn frxq 000
paris 21 0926

rrun bca165

nnnn

6. Examples on standard military teletype messages

Like in most telex networks, you cannot deduce the location of the station actually monitored from the heading of the messages (see second example).

For NATO routing indicators see chapter VII.

```
zczc xzi040
oo rffx
de rffxi 2211707
znr uuuuu
zic xzi03
```

nnnn

zczc	start signal
xzi040	channel sequence number: message number 40 on channel XZI (ARQ-E channel from FF Bangui to FF Versailles on 16226.5 kHz, see chapter III)
oo	priority indicator: operational message
rffx	NATO routing indicator of the destination: FF Versailles, F
de	from
rffxi	NATO routing indicator of the origin: FF Bangui, CAF
2211707	date-time group: 1707 UTC on the 221st day of the year
znr uuuuu	secrecy classification: unclassified
zic ...	text
nnnn	ending signal

In this case, not 'RFLI' has been monitored, but 'RFTJ' relaying a message to 'RFFA' because the direct circuit 'RFLI' - 'RFFA' has broken down.

```
zczc sgi384
pp rffaag rffycr
de rflia 0021 3071615
znr uuuuu
p 031615z nov 87 zyb
fm comsup fort de france
to rffaag/distransit paris
info zen/place fort de france
zen/reginfma fort de france
bt
non protege
nmr 02315/ag/trp/cpg du 03 nov 87
obj: demande accord passage famille
ref: msg nmr 5231/dtp/plan/cpg du 22 oct 87
avis nmr 281/gar du 28 oct 87
txt
hebergement famille sergent chef ...
...
bt
0021
```

nnnn

XXIII. Service codes and abbreviations used in gentex and telex operation

A	Service telegrams OR advices
ABS	Telegraph office closed
ADD	Please input your international telex number
ADRS	Address
AMPLIATION	Telegram sent a second time
ANH	Congestion
ANUL ...	Delete ...
BK	I cut off
BL	Holding
BL ... SVP	Please hold ...
BMC	No end of message or end of transmission received, therefore message cancelled
BR TR ...	Bad transmission on ...
CALL NR	National call number of a gentex office
CCT ... IN	I have restored circuit No. ...
CCT ... IN SVP	Please restore circuit No. ...
CCT ... OUT	I have taken circuit No. ... out of service
CCT ... OUT SVP	Please take circuit No. ... out of service
CI	Conversation impossible
CK	Please check number of words
CLA	Class of telegram
COL	Collation: Please give OR I give routine repetition
CONFERENCE	Franking privilege telegrams (ITU)
CRD ...	The connection is released after selection on circuit No. ...
CRV	How do you receive?
CSR	I am receiving your calling signal
CTF	Correction to follow
DBL	Double word(s)
DEB	Overflow position
DER	Out of order
DERA	Machine faulty
DER CCT	Circuit faulty
DER MOM	Bad reception, do not cut off, we are testing the line
DERPS	Position equipment faulty
DERR	Fault now cleared
DER REG	Register does not operate
DER TAPE	Your perforated tape is faulty
DER VF ...	Fault on voice-frequency system ...
DETR ...	I am re-routing to ... OR Re-route to ... OR Alternative route?
DEVD	Deviation of distributor speed at your end
DEVS ...	Speed deviation is ... %
DF	You are in communication with the called subscriber
... DIS ...	The distortion on ... is ... %
DS ...	Distribution switched over to ...
DTE	Date of handing-in
EDIS ...	The transmitter distortion is ... %
ETAT	Government telegrams
ETATPRIORITE	Government telegrams OR telegrams relative to the application of the United Nations Charter
FAXx	Facsimile delivery (X = FACSIMILE NUMBER)
FMT	Format error
FVS	Fives
GENTEX	International switched network for the public telegram service
IAB	Invalid answerback from destination
ICI ...	Here is ...
IMA	Input message acknowledgement
IND	Answer-back code
INF	Subscriber temporarily unobtainable, call the information service

INQ	Position specializing in the handling of service notes and advices
ITD	Input transaction accepted for delivery
ITL	I transmit later
JFE	Office closed because of holiday
Jx	Period of retention of radiotelegrams at land stations (X = NUMBER OF DAYS)
LDE	Maximum acceptable message length or duration has been exceeded
LOOP ...	I have looped circuit ...
LOOP ... SVP	Please loop circuit ...
LT	Letter telegrams
LTF	Government letter telegrams
LX	De luxe form
LXDEUIL	De luxe form of condolence
MAR ...	The margin is ... %
MEET ...	Meet me on circuit No. ...
MNS	Minutes
MOM	Please wait!
MOM PPR	Please wait! I have paper trouble
MUT	Mutilated
NA	Correspondence with this subscriber is not admitted
NA BK	Correspondence with this telegraph office is not admitted. I cut off
NARQ ...	Multiplex ... unprotected; please re-establish automatic request for repetition (ARQ)
NBL ...	Clearing ...
NBL ... SVP	Please clear ...
NC	No circuit
NCFM ...	No call-confirmation signal on ...
NCH	Number changed
NCS ...	No call-connected signal from ...
NDER	No fault found
NDN	Non-delivery notification
NI	No line identification available
N IND	I am not receiving your answer-back code
NOT R	Not received
NP	The called number is not OR no longer in use
N PER A	I am not receiving your permanent start polarity signal
N PER Z	I am not receiving your permanent stop polarity signal
NPS	I am not receiving your proceed-to-select signal
NR	Indicate your call number OR my call number is ...
OBS	Meteorological telegrams
OCC	Busy
OCC OCC ...	Permanent busy signal from ...
O/D	Telegraph office of destination
OMTD	Omitted
O/O	Telegraph office of handing-in
OPH ...	Out of phase on system ...
PER A ...	Permanent start polarity on ...
PER A ... SVP	Please send permanent start polarity on ...
PER Z ...	Permanent stop polarity on ...
PER Z ... SVP	Please send permanent stop polarity on ...
PERC ...	Permanent call on ...
PH ...	Please phase system ...
POSTFIN	Postal financial services telegrams
PPR	Paper
QDIS ...	Please measure distortion on ...
Q DIS A	Is there bias distortion (prolonged start polarity) on the received signals?
Q DIS Z	Is there bias distortion (prolonged stop polarity) on the received signals?
QGA	May I transmit?
QOK	Do you agree?
QRCS	Are you receiving my calling signal?

TELEX ABBREVIATIONS 3

QREF	Please give reference number
QRES	Please report result
RAFSO	Second application
RAP	I shall call you again
RAP ... MNS	I shall recall you in ... minutes
RAP ... MNS SVP	Please call me in ... minutes
RCT	Telegrams concerning persons protected in time of war by the Geneva Conventions of 12 August 1949
RDI	Redirected call
REF	Reference of the message delivered to the telex side from a conversion facility for telex/teletex interworking
RES ...	Here is the result of test on ...
RFC ...	I am receiving errors in 5-unit code. Please check channel No. ...
RMUT ...	I am receiving garbled signals on multiplex channel ... Please check your 7-unit code
ROUTE	Route to ... OR I am routing for ... OR Route?
RPFR	Please prepare your reperforator
RPFR TXT	Prepare your reperforator because of long or difficult text or because of telegrams having the same text
RPT AA ...	Repeat all after ...
RPT AB ...	Repeat all before ...
RPT ALL	Repeat the whole telegram
RPT BN ...	Repeat all between ... and ...
RPT SRL NR ...	Repeat reference number given by the transmitting office ...
RPT TG NR	Repeat telegram number
RPT TXT	Repeat text
RPT WA ...	Repeat word after ...
RPT WB ...	Repeat word before ...
RQFS ...	Your repetition cycle transmission contains 7-unit code faults. Please check channel No. ...
RS ...	Reception switched over to ...
RSBA	Retransmission still being attempted
SIG 1/1 SVP	Please send 1:1 signals
SIG 2/2 SVP	Please send 2:2 signals
SRL NR	Reference number given by a gentex transmitting office
SS ...	Storage switched over to ...
SSSS	Change of alphabet
SVH	Telegrams relating to the safety of life
SVIN	Service indication
SVP	Please
TAX	What is the charge OR The charge is ...
TCHN	Technical service OR I shall advise the technical service
TELEX	Subscriber's telegraph service enabling users to communicate directly and temporarily with one another by means of start-stop apparatus
TESTD ... SVP	Please send test message with ... % distortion on ...
TEST MSG	Please send a test message
TFx	Telephone delivery (X = TELEPHONE NUMBER)
TG	Telegram
TG NR ...	Telegram number given by the handing-in office ...
THRU	You are in communication with a telex position
TLXx	Telex delivery (X = TELEX NUMBER)
TMA	Maximum number of addresses exceeded
TNS	Tens
TPLE	Triple word(s)
TPR	Teleprinter
TRAS ...	Please send alpha signal on multiplex channel ...
TRBS ...	Please send beta signal on multiplex channel ...
TRS ...	Transmission switched over to ...
TTX	Designation of the conversion facility (CF) for telex/teletex interworking
TTXx	Teletex delivery (X = TELETEx NUMBER)
URGENT	Urgent transmission and delivery

UTCOD	Use the gentex code
VAL	Validation response
VERED	Please check the transmitter distortion
VERM	Please check the margin
VERS	Please check the speed
VERX ...	Please check subscriber No. ...
W	Word(s)
WEFXU	Waiting reply to our service advice
WRU	Who is there?
XXXXX	Error signal
ZKWA ...	The received signals have ... % bias (start polarity prolonged)
ZKWZ ...	The received signals have ... % bias (stop polarity prolonged)
+?	I have finished my transmission. Do you wish to transmit?

XXIV. Country list and addresses of utility stations

This list gives for each country in the world its basic telecommunication data, and the utility station addresses available.

The basic data is given on the right of the country name and includes

- the corresponding ITU symbol designating countries or geographical areas (from chapter XXV);
- the corresponding international call sign series (from chapter V);
- the corresponding WMO observing station number series (from chapter V in our AIR AND METEO CODE MANUAL);
- the corresponding ICAO location indicator series (from chapter XI in our AIR AND METEO CODE MANUAL);
- the index (plate and grid numbers) to the corresponding map in the TIMES ATLAS OF THE WORLD.

These entries are separated by strokes. Example:

"PHILIPPINES PHL / DU-DZ 4D-4I / 98000-98999 / RP / 19L4" means
"Philippines

- | | |
|---|-------------------|
| - ITU symbol designating the country or geographical area | PHL |
| - international call sign series | DU - DZ, 4D - 4I |
| - WMO observing station number series | 98000 - 98999 |
| - ICAO location indicator series | RP |
| - Times Atlas map index | plate 19 grid L4" |

The index refers to the Seventh Comprehensive Edition 1985 of the Times Atlas of the World, which is the finest atlas in the world and thus a standard reference for the serious radio monitor. It covers 122 maps of the size 55 x 42 cm plus an index with more than 200000 place names complete with geographical coordinates, and can be ordered from Klingenfuss Publications for 390 DM (including packing and postage as an insured parcel in Germany), 410 DM (Europe) and 420 DM (World). Write for further details if you are interested, and ask for a pro forma invoice if you want airmail delivery.

Note that our index is completely different from that used in the Times Atlas itself. As a matter of principle, the Times index - as far as states are concerned - indicates only a small-scale map covering a complete continent or region, like Europe on plate 49. Contrary hereto, the Klingenfuss index indicates that large-scale map on which the entire territory of the state is shown. For example, the Solomon Islands are not indexed to the 1 : 55 M plate 9 covering an area from Greenland over Asia and Australia to the Antarctic where they appear infinitely small, but to the 1 : 5 M plate 15 where they can be found in full size.

The addresses may be used for reception reports to stations monitored. They are listed alphabetically in category order. Category indicators used are

AF	Air Force
AIR	Aeronautical
ALC	Airline Company
CG	Coast Guard
CY	Company
EMB	Embassy
FF	Foreign Forces
IP	INTERPOL
MAR	Maritime
MET	Meteorological
MFA	Ministry of Foreign Affairs
MIL	Military
NAV	Naval
POL	Police, Gendarmerie
PRS	Press
PTT	Telecommunications Authority
TSF	Time Signal / Standard Frequency
UN	United Nations
**	Name of the verification signer

COUNTRY AND ADDRESS LIST 2

ADELIE LAND

ADL / see France / 89642 95500-95510 / - / 123D15

AFGHANISTAN

AFG / T6 YA / 40900-40999 / OA / 31B4

AIR General Administration of Civil Aviation; Directorate General of ATS/COM; Ansari Watt; P. O. Box 165; KABUL
 PTT Ministry of Communications; State Radio Inspection Department; ITU Office; Director; KABUL

ALASKA

ALS / see United States of America / 70000-70999 / PA / 113

AIR Department of Transportation; Federal Aviation Administration; International Flight Service Station; Anchorage Airadio; 2016 East Fifth Avenue; ANCHORAGE, AK 99501
 ALC Alaska Airlines Inc.; P. O. Box 68900; Tacoma International Airport; SEATTLE, WA 98168; USA
 CG USCG Station Adak/NOX; Box 47; FPO SEATTLE, WA 98777; USA
 CG U. S. Coast Guard Communications Station; P. O. Box 17; KODIAK, AK 99619

ALBANIA

ALB / ZA / 13600-13699 / LA / 82D3

PRS Agence Telegraphique Albanaise; Technical Department; Boulevard Marcel Cachin 23; TIRANA
 PTT Direction Generale des Postes, Telegraphes et Telecommunications; Departement des Radiocommunications; 42 Rue Myslym Shyri; TIRANA

ALGERIA

ALG / 7R 7T-7Y / 60350-60699 / DA / 88L7

AIR Etablissement National pour l'Exploitation Meteorologique et Aeronautique; Service de l'Information Aeronautique; Le Chef du Departement S.I.A.; U.E.N. A.; Route de Siddi Moussa Baraki; B. P. 653; EL DJAZA'IR/Gare
 ALC Air Algerie; 1 Place Maurice-Audin; EL DJAZA'IR
 MET Ministere des Transports; Office National de la Meteorologie; Centre National Automatise de Traitement de l'Information Meteorologique; Directeur; Ferme Viasphalt, Route de Sidi Moussa; Dar el Beida; EL DJAZA'IR
 MFA Ministere des Affaires Etrangeres; 6 Rue Claude Bernard; EL DJAZA'IR
 PRS Algerie Presse Service; 7 Boulevard Che Guevara; EL DJAZA'IR
 - Ministere de l'Interieur; Direction Generale des Transmissions Nationales; Direction des Etudes Techniques de la Normalisation et des Programmes; Le Sous-Directeur de la Reglementation et du Controle; EL DJAZA'IR

AMSTERDAM AND SAINT PAUL ISLANDS

AMS / see France / 61996 / - / 26N14

MAR (Martin de Vivies R via DGT Martin de Vivies)
 PTT Le Chef Radio et le Gerant Postal; MARTIN DE VIVIES

ANDORRA

AND / C3 / - / - / 72G10

ANGOLA

AGL / D2-D3 / 66100-66499 / FN / 91D9

AIR Direccao Nacional de Aviacao Civil; Rua D. Miguel de Melo 92-6; C. P. 569; LUANDA
 ALC TAAG Linhas Aereas de Angola; Avenida Luis de Camoes 123; C. P. 79; LUANDA
 MAR (Luanda R via EPTel Luanda)

COUNTRY AND ADDRESS LIST 3

PRS Agencia Angola Press; Departamento Tecnico; Le Directeur Technique; Rua Mou-
zinho de Albuquerque 13, 10 Andar; C. P. 3181; LUANDA
PTT Empresa Publica de Telecomunicacoes; C. P. 625; LUANDA

ANGUILLA AIA / V9 / 78846-78849 / MKPF / 116N5

ANTARCTIC ANT / see respective states / 88963-88970 89000-89999 / NZCM / 123

MET (SAAM Moldezhnaya via AARI Leningrad, USSR)

ANTIGUA AND BARBUDA ATG / V2 / 78860-78864 / MKPA MKPH / 116o6

AIR Directorate of Civil Aviation of Eastern Caribbean States; P.O. Box 1130; ST.
JOHN'S

ARGENTINA ARG / AY-AZ LO-LW L2-L9 / 87000-87999 / SA / 117G4

AIR Fuerza Aerea Argentina; Comando de Regiones Aereas; Direccion de Transito Ae-
reo; Calle Comodoro Pedro Zanni 250; 1104 BUENOS AIRES

ALC Aerolineas Argentinas; Paseo Colon 185; 1063 BUENOS AIRES

MAR Boca Radio LSA; Subsecretaria de Marina Mercante; Jefe de la Planta Recep-
cion; c/o E.L.M.A.; Corrientes 389; BUENOS AIRES

MAR (General Pacheco R =) Seccion Planta Receptora Don Bosco; Jefe Seccion; Lomas
de Zamora 252; DON BOSCO, B.A.

MET Ministerio de Defensa; Fuerza Aerea Argentina; Comando de Regiones Aereas;
Servicio Meteorologico Nacional; Central Comunicaciones "ACC"; 25 de Mayo
658; 1002 BUENOS AIRES

NAV Centro Comunicaciones Navales; Jefatura de Operaciones; Malabia 3029; 1425
BUENOS AIRES

NAV Armada Argentina; Base Naval; Jefe Estacion Principal; 8111 PUERTO BELGRANO

PRS (AP Buenos Aires via ENCOTEL Buenos Aires)

PRS (DyN Buenos Aires via ENCOTEL Buenos Aires)

PRS (NA Buenos Aires via ENCOTEL Buenos Aires)

PRS (TELAM Buenos Aires via ENCOTEL Buenos Aires)

PTT Empresa Nacional de Correos y Telegrafos; Direccion General de Telegrafos In-
ternacional; Sarmiento 151, 5 piso, Oficina 524; 1000 BUENOS AIRES

TSF Armada Argentina; Observatorio Naval; Servicio de Frecuencias Patronos de
LOL; Jefe de Observatorio Naval; Avenida Costanera Sur 2099; BUENOS AIRES

TSF Instituto Geografico Militar; Servicio Internacional de la Hora; Seccion Con-
servacion de la Hora; Jefe de Seccion; Calle 38 Gral. Nicolas M. Savio 865;
Villa Maipu; 1650 SAN MARTIN

ARUBA ABW / P4 / 78980-78984 / MACA / 116A1

ASCENSION ASC / see United Kingdom / 61902 / FH / 96B12

AUSTRALIA AUS / AX VH-VN VZ / 94100-95499
95511-95999 / AA-AB AD AH-AM AP-AS / 10

AF RAAF Base; 20 Denowen Street; DARWIN, NT 5789

AIR Department of Aviation; Northern Territory Region; Flight Service Officer;
P. O. Box 36821; WINNELLIE, NT 5789

AIR (Perth Air via) Department of Aviation; The Deputy Secretary (Air); G.P.O.
Box (1839-Q); MELBOURNE, VIC 3001

AIR Department of Air Transport; Sydney Kingsford-Smith Airport; Flight Service
Centre; Flight Information Supervisor; P.O. Box 211; MASCOT, NSW 2020

COUNTRY AND ADDRESS LIST 4

ALC Ansett Airlines of Australia; 501 Swanston Street; MELBOURNE, VIC 3000
 ALC Qantas Airways Ltd.; Qantas International Centre; International Square; P. O. Box 489; SYDNEY, NSW 2000
 ALC Trans Australian Airlines; 50 Franklin Street; MELBOURNE, VIC 3000
 MAR Perth Radio VIP; Overseas Telecommunications Commission; Coastal Radio Station; Manager; P. O. Box 54; HILLARYS, WA 6025
 MAR Sydney Radio VIS; P. O. Box 321; MAROUBRA, NSW 2035
 MAR (Thursday Island R via OTC Sydney)
 MET Department of Science and Technology; Bureau of Meteorology; Northern Territory Regional Office; Regional Director; 79-81 Smith Street; P. O. Box 735; DARWIN, NT 5794
 MET Department of Science and Technology; Bureau of Meteorology; Head Office; 150 Lonsdale Street; G. P. O. Box 1289K; MELBOURNE, VIC 3001
 NAV NAVCOMMSTA Harold E. Holt; HMAS HARMAN; Officer in Charge; CANBERRA, ACT 2600
 PTT Overseas Telecommunications Commission; Managing Director; 32 - 36 Martin Place; G. P. O. Box 7000; SYDNEY, NSW 2001

AUSTRIA

AUT / OE / 11000-11399 / LO / 65

AIR Bundesamt für Zivilluftfahrt; Aeronautical Information Service; Schnirchgasse 11; A-1030 VIENNA
 ALC Austrian Airlines; Postfach 50; A-1107 VIENNA
 MAR Erste Österreichische Donau-Dampfschiffahrts-Gesellschaft; Direktion; Hintere Zollamtsstr. 1; A-1030 VIENNA
 MFA (MFA Vienna via PTT Vienna)
 PTT Radio-Austria AG; Renngasse 14; A-1010 VIENNA

AZORES

AZR / see Portugal / 08500-08515 / see Portugal / 96S4

AIR Aeroportos e Navegacao Aerea E. P.; Direccao Regional do Atlantico; Chief Aeronautical Radio; Aeropuerto de Santa Maria; P-9580 VILA DO PORTO
 ALC Servico Acoreano de Transportes Aereos E. P.; Avenida Infante D. Henrique 55; P-9502 PONTA DELGADA
 FF (PAF/USAF Lajes AFB =) USAF Communications Station CUW; Department of the Air Force; Copyright 1987 Klingenfuss Publications D-7400 Tuebingen Federal Republic of Germany; 1936 Communications Squadron; Operations NCO TCF; APO NEW YORK, NY 09406; USA
 MAR (Ponta Delgada R via CPRM Ponta Delgada)
 NAV Estacao Radionaval; O Director; P-9900 HORTA
 PTT Companhia Portuguesa Radio Marconi; O Garante em Ponta Delgada; Rua do Acoreano Oriental 39-A; P-9500 PONTA DELGADA

BAHAMAS

BAH / C6 / 78050-78149 / MY / 116F2

AIR Director of Civil Aviation; P.O. Box 975; International Airport; NASSAU, N.P.
 ALC Bahamasair; P. O. Box N-4881; NASSAU, N.P.
 MAR (Nassau R via BTC Nassau)
 PTT Bahamas Telecommunications Corporation; General Manager; P. O. Box N-3048; NASSAU, N.P.

BAHRAIN

BHR / A9 / 41150-41159 / OB / 33K10

AIR Civil Aviation Directorate; Bahrain International Airport; P. O. Box 586; MANAMA
 MAR (Manama R via BTC Manama)
 PRS Gulf News Agency; English Section; P. O. Box 301; MANAMA
 PTT Bahrain Telecommunications Company (Bsc); P. O. Box 14; MANAMA

COUNTRY AND ADDRESS LIST 5

BANGLA DESH

BGD / S2-S3 / 41850-41999 / VG / 28G4

AIR Civil Aviation Authority; Office of the Chairman; Assistant Director; Tejgaon Airport; DHAKA 15
 ALC Biman Bangla Desh Airlines; Biman Bhavan; Motijheel Commercial Area; DHAKA 2
 MAR (Chittagong R via BTTB Dhaka)
 MAR (Khulna R via BTTB Dhaka)
 PTT Bangla Desh Telegraph and Telephone Board; Telejogajog Bhaban; 36/1 Mymensing Road; DHAKA 27

BARBADOS

BRB / 8P / 78954-78955 / MKPB MKPO / 116P6

AIR Ministry of International Transport; Air Traffic Services Building; Technical Director; Grantley Adams International Airport; CHRIST CHURCH
 MAR (Bridgetown R via BEXTEL Bridgetown)
 PTT Barbados External Telecommunications Ltd.; Operations Division; Manager; P. O. Box 32; BRIDGETOWN

BELGIUM

BEL / ON-OT / 06400-06499 / EB / 61

AIR Regie des Voies Aeriennes; Service SV/ATS; Aeroport de Bruxelles - National; B-1930 ZAVENTEM
 ALC SABENA; 25 Rue Cardinal Mercier; B-1850 GRIMBERGEN
 FF (NATO Rouveroy =) NATO/SHAPE Support Group (US); APO NEW YORK, NY 09088; USA
 MAR Kuststation Antwerpen Radio; Administratieve Dienst; Blaneefloerlaan 179; B-2050 ANTWERPEN
 MAR Gewert van de Maritieme Diensten; Aartshertsoginnenstraat 27; B- OOSTENDE
 NAV (BN Oostende =) Verbindingscentrum Zeemacht; Wenduinsteenweg 133; B- VLISSE-
 GEM
 PRS (UPI Brussels via UPI New York, USA)
 PTT Regie des Telegraphes et des Telephones; Administration Centrale; Departement de la Transmission; 42 Rue des Palais; B-1210 BRUSSELS

BELIZE

BLZ / V3 / 78575-78599 / MZ / 115P9

AIR The Chief Civil Aviation Officer; Belize International Airport; P.O. Box 367; BELIZE CITY
 FF 633 (Caribbean) Signal Troop; Chief Systems Controller; British Forces Post Office 12; LADYVILLE 2193 Ext 317

BENIN

BEN / TY / 65300-65349 / DB / 89L8

AIR Representation de l'ASECNA; B. P. 96; COTONOU
 MAR (Cotonou R via PTT Cotonou)
 PTT Office des Postes et Telecommunications; Directeur General; COTONOU

BERMUDA

BER / see United Kingdom / 78000-78019 / MX / 96A1

AIR Department of Civil Aviation; Ferry Reach; ST. GEORGE'S 1-15
 MAR (Hamilton R via C+W Hamilton)
 PTT Cable and Wireless PLC; Church Street West; P. O. Box 151; HAMILTON 5

BHUTAN

BHU / A5 / - / VQ / 28G2

AIR Ministry of Communications and Tourism; Department of Civil Aviation; P. O. Box 209; THIMPHU

COUNTRY AND ADDRESS LIST 6

BOLIVIA

BOL / CP / 85000-85399 / SL / 120E7

AIR AASANA; Administracion de Aeropuertos y Servicios Auxiliares a la Navegacion Aerea; Avenida Montes 716; Casilla 4382; LA PAZ

AIR AASANA; Administracion de Aeropuertos y Servicios Auxiliares a la Navegacion Aerea; Aeropuerto Internacional de Viru-Viru; Jefe Centro Regional Operaciones; Casilla 1449; SANTA CRUZ

ALC Lloyd Aereo Boliviano, S.A.M.; Casilla 132; COCHABAMBA

BOTSWANA

BOT / A2 80 / 68024-68328 / FB / 94G4

AIR Department of Civil Aviation; Chief Air Traffic Control Officer; P. O. Box 250; GABORONE

ALC Air Botswana (Pty.) Ltd.; P. O. Box 92; GABORONE

BOURKINA FASO

BFA / XT / 65500-65525 / DH / 89J5

AIR ASECNA; Representation en Haute-Volta; B. P. 63; OUAGADOUGOU

BRAZIL

B / PP-PY ZV-ZZ / 82000-83999 / SB / 117H3

AIR (Brasilia Air via TASA Rio de Janeiro)

AIR (Manaus Air via TASA Rio de Janeiro)

AIR Servico Regional de Protecao ao Voo de Recife; Chefe Interimo do SRPV Recife; Abreu de Miranda; Av. Mal. Mascarenhas de Moraes 6211; 50000 RECIFE, PE

AIR Telecomunicacoes Aeronauticas S.A.; Aeroporto Internacional do Galeao; Hangar No. 2; C. P. 3112; 20001 RIO DE JANEIRO, RJ

ALC Linhas Aereas Transbrasil S/A; Aeroporto Internacional; Hangar de Transbrasil; 71600 BRASILIA, DF

ALC (Servicos Aereos Cruzeiro do Sul SA via VARIG Rio de Janeiro)

ALC Viacao Aerea Rio Grandense SA; Avenida Almirante Silvio de Noronha 365; 20021 RIO DE JANEIRO, RJ

ALC Viacao Aerea Sao Paulo SA; Edificio VASP; Aeroporto de Congonhas; 04695 SAO PAULO, SP

MAR Estacao Costeira Belem; Avenida Tavaros Bastos; 66000 BELEM

MAR Estacao Costeira Juncao; Rua Otacilio Charas 199; 96200 VILA JUNCAO, RS

MAR EMBRATEL; Chefe de Distrito de Operacoes de Manaus; 69000 MANAUS, AM

MAR ** Marcos Antonio M. de Sena; Rua Eladio Ramos 99; Boa Viagem; 50000 RECIFE, PE

MAR Radio Rio; Chief "Rio Radio" Station; Avenida Francisco Behring; Arpoador ZC-37; 20000 RIO DE JANEIRO, RJ

MAR Santos Radio PPS; Avenida Epitacio Pessoa 743; SANTOS, SP

MET Ministerio da Agricultura; Instituto Nacional de Meteorologia; Nucleo do Intercambio Tecnologico; Director Geral; Praca 15 de Novembro, 2-5º and.; 20010 RIO DE JANEIRO, RJ

NAV Estacao Radio da Marinha no Rio de Janeiro; 1. Distrito Naval; Chefe Departamento Op. Comunicacoes; Estrada do Jequia s/n; Ilha do Governador; RIO DE JANEIRO, RJ

TSF Servico de Hora; Observatorio Naval (MEC); Rua General Bruce 586; Sao Cristovao; 20000 RIO DE JANEIRO, RJ

BRITISH INDIAN OCEAN TERRITORY

BIO / see United Kingdom, United States of America / 61967 / FJ / 27L11

FF US Naval Oceanography Command Detachment Diego Garcia; Box 10; FPO SAN FRANCISCO, CA 96685-2905; USA

COUNTRY AND ADDRESS LIST 7

BRUNEI

BRU / V8 / 96300-96399 / WBA WBS / 18L3

AIR Director of Civil Aviation; Department of Civil Aviation; Brunei International Airport; BANDAR SERI BEGAWAN
 ALC Royal Brunei Airlines Ltd.; P. O. Box 737; BANDAR SERI BEGAWAN

BULGARIA

BUL / LZ / 15500-15999 / LB / 82F2

AIR Ministry of Transport; State Aeronautical Inspectorate; 9 Levsky Street; BG-1... SOFIA
 ALC Balkan Bulgarian Airlines; International Airport; BG-1... SOFIA C
 PRS Bulgarska Telegrafitscheka Agentzia; Boulevard Lenin 49; BG-1... SOFIA
 PTT Association Nationale des Postes et Telecommunications; BG-1000 SOFIA

BURMA

BRM / XY-XZ / 48000-48299 / VB / 25

AIR Department of Civil Aviation; Mingaladon Airport; RANGOON
 MAR (Rangoon R via PTT Rangoon)
 PTT Posts and Telecommunication Corporation; 43 Boanggyaw Street; RANGOON

BURUNDI

BDI / 9U / 64390-64399 / HB / 93A9

AIR Ministere des Transports et de l'Aeronautique; Direction de la Regie des Services Aeronautiques; Le Chef du Service des Telecommunications Aeronautiques; B. P. 694; USUMBURA

BYELORUSSIA

BLR / EU-EW / see Union of Soviet Socialist Republics / see Union of Soviet Socialist Republics / 46F3

CAMEROON

CME / TJ / 64850-64999 / FK / 84F5

AIR ASECNA; Representation au Cameroun; Chef Service d'Exploitation des Telecommunications; Le Representant de l'Agence; B. P. 4063; DOUALA
 ALC Cameroon Airlines; 3 Avenue du General de Gaulle; B. P. 4092; DOUALA
 MAR Station Cotiere Douala Radio TJK; Chef de la Station; DOUALA

CANADA

CAN / CF-CK CY-CZ VA-VG VO VX-VY XJ-XO / 71000-71999 / CU-CZ / 97

AIR Transport Canada; Gander Flight Service; Flight Services Area Supervisor; 89 Edinburgh Avenue; GANDER, NFLD A1V 1C9
 ALC Air Canada; Place Air Canada; MONTREAL, PQ H2Z 1X5
 ALC Canadian Pacific Air Lines Ltd.; One Grant McConachie Way; International Airport; VANCOUVER, BC V7B 1V1
 ALC Nordair Ltd.; 1320 Boulevard Graham; Ville Mont-Royal; QUEBEC, PQ H3P 3C8
 ALC Pacific Western Airlines; Suite 2800, 700 2nd Street S.W.; CALGARY, ALTA T2P 2W2
 ALC Quebecair; B. P. 490; Aeroport International; MONTREAL, PQ H4Y 1B5
 ALC Wardair Canada; 2201 Toronto Dominion Tower; EDMONTON, ALTA T5J 0K4
 CG Coast Guard Radio Station; P. O. Box 189; FROBISHER BAY, NWT X0A 0H0
 CG Halifax Marine Radio VCS; Shift Supervisor; Ketch Harbour; HALIFAX COUNTY, NS
 CG Transport Canada; Quebec Coast Guard; 101 Boulevard Champlain; QUEBEC, PQ G1K 4H9
 CG Transport Canada; Coast Guard Radio Station; Manager of Operations; B.P. 100; RIVIERE-AU-RENARD, PQ G0E 2A0
 CG St. Anthony Coast Guard Radio; P. O. Box 157; ST. ANTHONY, NFLD A0K 4S0

COUNTRY AND ADDRESS LIST 8

CG CCG Radio Station St. John's; Area Operations Manager; P. O. Box 1300; ST. JOHN'S, NFLD A1C 6H8
 CG Sydney Coast Guard Radio; Area Operations Manager; Telecommunications and Electronics; P. O. Box 863; SYDNEY, NS B1P 1C6
 CG Vancouver Coast Guard Marine Airradio Station VAI; 101 4611 Cowley Crescent; RICHMOND, BC V7B 1B9
 MET Department of the Environment; Atmospheric Environment Service; Field Services Directorate; 4905 Dufferin Street; DOWNSVIEW, ONT M3H 5T4
 NAV Canadian Forces METOC Centre; FMO Halifax; CFB; HALIFAX, NS B3K 2X0
 TSF Radiostation CHU; National Research Council; Observatory Crescent; OTTAWA, ONT K1A 0S1

CANARY ISLANDS

CNR / see Spain / 60000-60099 / GC / 96U11

MET (Las Palmas Meteo via Madrid Meteo, Spain)

CAPE VERDE

CPV / D4 / 08581-08599 / GV / 89o10

AIR Servico de Informacao Aeronautica; Central Radio; Aeroporto Internacional; AMILCAR CABRAL, Sal
 MAR Ministerio dos Transportes e Comunicacoes; Direccao dos Servicos dos Correios e Telecomunicacoes; Estacao Costeira D4A; MINDELO, Sao Vicente

CAROLINE ISLANDS

CAR / see United States of America / 91203 91317-91356 91408-91434 / PT / 17N10

AIR National Air Weather Service Office; PONAPE, East Caroline Islands 96941

CAYMAN ISLANDS

CYM / see United Kingdom / 78383-78384 / MKC / 116D5

AIR Director of Civil Aviation; P. O. Box 277; GEORGETOWN, Grand Cayman
 ALC Cayman Airways Ltd.; P. O. Box 1101; GEORGETOWN, Grand Cayman

CENTRAL AFRICAN REPUBLIC

CAF / TL / 64600-64699 / FE / 89H8

AIR ASECNA; Le Representant aupres de la Republique Centrafricaine; B. P. 828; BANGUI

CHAD

TCD / TT / 64700-64799 / FT / 89H5

AIR ASECNA; Representation du Tchad; Service des Installations Techniques; Le Chef du Service Maintenance; B. P. 70; N'DJAMENA
 PTT Societe des Telecommunications Internationales du Tchad; B.P. 1132; N'DJAMENA

CHILE

CHL / CA-CE XQ-XR 3G / 85400-85999 / SC / 117G4

AIR Direccion de Aeronautica; Pasaje Antonio Varas 1190; 3. Piso; Apartado 3; Correo Providencia; SANTIAGO
 ALC Linea Aerea del Cobre, SA; Avenida Bulnes 147; Casilla 13740; SANTIAGO
 ALC Linea Aerea Nacional de Chile, SA; Avenida Pedro Aguirre Cerda 5300; SANTIAGO
 MET Ministerio de Defensa Nacional; Fuerza Aerea de Chile; Direccion General de Aeronautica; Direccion Meteorologica de Chile; Comandante de Grupo (C); Casilla 717; SANTIAGO
 NAV Armada de Chile; 3a. Zona Naval; Centro Telecomunicaciones; Correo Naval; PUNTA ARENAS, Magallanes

COUNTRY AND ADDRESS LIST 9

NAV Armada de Chile; Gobernacion Maritima de Aysen; Casilla 278; PUERTO AYSEN
NAV Armada de Chile; Comandancia en Jefe; Jefe; Servicio Telecomunicaciones; SAN-
TIAGO

CHINA CHN / B XS 3H-3U / 50000-59999 / ZB-ZH ZL-ZY / 17E5

AIR Civil Aviation Administration of China; Telecommunications Department; 155
Doug-si West Street; P. O. Box 644; BEIJING
ALC Civil Aviation Administration of China; P. O. Box 644; BEIJING
ALC Shanghai Airlines; 191 Chang Le Road; SHANGHAI
MAR Guangzhou Coast Radio Station; P. O. Box 1181; GUANGZHOU
MET Central Meteorological Bureau; National Meteorological Center; Telecommunica-
tion Division; 46 Baishiqiao Road; Western Suburb; BEIJING
PTT Ministry of Posts and Telecommunications; BEIJING
PTT Shanghai Telegraph Office; Traffic Section; 34 Nanking Road Eastern; SHANGHAI
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TSF Zi-Ka-Wei Observatory; Academia Sinica; SHANGHAI
TSF Shaanxi Astronomical Observatory; Academia Sinica; Chief of Science/Technique
Section; P. O. Box 18; LINTONG near Xi'an

CHRISTMAS ISLAND CHR / see Australia / 96995 / ACXM / 26V3

COCOS (KEELING) ISLANDS ICO / see Australia / 96996 / ACC-ACO / 26V1

AIR Department of Aviation; Officer-in-Charge; P. O. Box 1; PANJANG 6799

COLOMBIA CLM / HJ-HK 5J-5K / 80000-80399 / MC / 119C5

AIR Departamento Administrativo de Aeronautica Civil; Centro Nacional de Aeronau-
vegacion; Aeropuerto Internacional El Dorado; Apartado Aereo 12307; BOGOTA,
D.E.
AIR Departamento Administrativo de Aeronautica Civil; Aeropuerto Camilo Daza;
Apartado Aereo 114; CUCUTA
AIR Departamento de Aeronautica Civil; Aeropuerto Baracoa; Apartado Aereo 112;
MAGANGUE, Bolivar
ALC Aerovias Nacionales de Colombia SA; Avenida El Dorado 93-30; Piso 4; Bloque
1; BOGOTA, D.E.
MAR (Buenaventura R via ENTEL Bogota)
PTT Empresa Nacional de Telecomunicaciones; Carrera 23 No. 13-49; BOGOTA, D. E.

COMOROS COM / D6 / 67000-67004 / FMCH-FMCV / 95A1

AIR Service de l'Aviation Civile; B. P. 72; MORONI
PTT (PTT Moroni via DGT Paris, France)

CONGO CGO / TN / 64400-64499 / FC / 91D4

AIR ASECNA; Representation au Congo; Service Meteorologique; Centre Regional des
Telecommunications Meteorologiques; B. P. 218; BRAZZAVILLE
MAR (Pointe Noire R via ONPT Brazzaville)
MET (Brazzaville Meteo via ASECNA Brazzaville)
PTT Office National des Postes et Telecommunications; Avenue Patrice Lumumba;
BRAZZAVILLE

COUNTRY AND ADDRESS LIST 10

COOK ISLANDS

CKH / see New Zealand / 91800-91811 91826-91847 / NC / 122L10

MAR (Avarua R via C+W Rarotonga)
PTT Cable and Wireless PLC; P. O. Box 47; RAROTONGA

COSTA RICA

CTR / TE TI / 78750-78774 / MR / 115M4

AIR Ministerio de Obras Publicas y de Transportes; Direccion General de Aviacion Civil; Apartado 5026; SAN JOSE
ALC Lineas Aereas de Costa Rica, SA; Apartado 1531; SAN JOSE
MAR (Limon R via RACSA San Jose)
PTT Radiografica Costarricense; Jefe Departamento Tecnico; Apartado 54; 1000 SAN JOSE

CROZET ARCHIPELAGO

CRO / see France / 61997 / - / 26N16

CUBA

CUB / CL-CM CO T4 / 78150-78379 / MU / 116D4

AIR Ministerio del Transporte Aerea Aeronautica; Calle 23 no. 64 vedado; Plaza de la Revolucion; Apartado 6215; HABANA
ALC Cubana; Calle 23 No. 64; La Tampa; Vedado; HABANA 4
MAR (Habana R via PTT Habana)
PRS Prensa Latina; Departamento Tecnico; Calle 23 no. 201 vedado; HABANA
PTT Ministerio de Comunicaciones; Direccion General de Telecomunicaciones; Director Operaciones y Mantenimiento; Placa de la Revolucion "Jose Marti"; HABANA 6

CYPRUS

CYP / C4 H2 P3 5B / 17600-17619 / LC / 83K13

AIR Ministry of Communications and Works; Department of Civil Aviation; 25 St. George's Hill; NICOSIA
ALC Cyprus Airways Ltd.; P. O. Box 1903; NICOSIA
FF RAF Communications Station MKD; Chief Signals Officer; B.F.P.O. 52; AKROTIRI
MAR (Nicosia R via CTA Nicosia)
PTT Cyprus Telecommunications Authority; Head Office; Telecommunications Street; P. O. Box 4929; NICOSIA 142
UN United Nations Force in Cyprus; Radio Supervisor; P. O. Box 1642; NICOSIA

CZECHOSLOVAKIA

TCH / OK-OM / 11400-11999 / LK / 62J6

AIR Air Traffic Control Administration; Rizeni letoveho provozu; TEI department; Director; Letiste Praha-Ruzyně; CS-16008 PRAGUE 6
ALC Ceskoslovenske Aerolinie; Ruzyně Airport; CS-16008 PRAGUE 6
MAR Ceskoslovenska Plavba Dunajska; C.S.P.D.; Czechoslovakia Danube Navigation; Zaved riecznej a namornej dopravy; Director of Section River and Sea Traffic; Ulica Cernevej armady 39; CS-89024 BRATISLAVA
MET Hydrometeorologicky Ustav; Czech Hydrometeorological Institute; Director; Holeckova 8; CS-15129 PRAGUE 5
MFA (MFA Prague via PTT Prague)
PRS (CETEK Prague via PTT Prague)
PTT Federal Ministry of Posts and Telecommunications; Chief Engineer of Radiocommunications Division; Olsanska 5; CS-12502 PRAGUE 3
TSF Astronomical Institute; Time Division; Budecska 6; CS- PRAGUE 2

DENMARK

DNK / OU-OZ XP 5P-5Q / 06000-06199 / EK / 53

AIR Civil Aviation Administration; Department of Air Navigational Facilities and Services; Kigkurren 6-8, M; DK-2300 COPENHAGEN S
 ALC Conair; Hangar 276; Copenhagen Airport; DK-2791 DRAGOR
 ALC Maersk Air I/S; Copenhagen Airport South; DK-2791 DRAGOR
 MAR Blavand Radio OXB; Blavand Radiotelegrafkontor; DK-6857 BLAVAND
 MAR Lyngby Radio OXZ; Lyngby Radio-Drift; Bagsvaerd Mollevej 7; DK-2800 LYNGBY
 MAR Statens Teletjeneste; Roenne Radio; Lille-Madse-Gade 18; DK-3700 ROENNE
 MAR Skagen Radio OXP; Skagen Radiotelegrafkontor; Jens-Winthers-Vej 37; DK-9900 SKAGEN
 MAR Torshavn Radio OXJ; Det Store Nordiske Telegraf-Selskab; DK-3800 TORSHAVN
 MET Meteorologisk Institut; Vejrtjenesten; Lyngbyvej 100; DK-2100 COPENHAGEN O
 NAV Soevaernets Operative Kommando OUA; Signal Center; Chief Petty Office; Post-box 483; DK-8100 AARHUS C

DJIBOUTI

DJI / J2 / 63100-63149 / HF / 87J5

AIR Direction de l'Aviation Civile et de la Meteorologie; Bureau de Piste; Aero-port de Jibuti-Ambouli; B. P. 204; JIBUTI
 FF (FF Jibuti via FN Paris, France)
 MAR (Jibuti R via PTT Jibuti)
 PTT Centre des Telecommunications Internationales; Office des Postes et Telecommunications; Reseau General Radioelectrique; Le Chef de Centre; Boulevard de la Republique; B. P. 2031; JIBUTI

DOMINICA

DMA / J7 / 78905-78914 / MKPD MKPR / 116o7

AIR Ministry of Communications and Works; Department of Civil Aviation; ROSEAU

DOMINICAN REPUBLIC

DOM / HI / 78450-78499 / MD / 116J5

AIR Direccion General de Aeronautica Civil; Edificio de "Telecomunicaciones"; Isabel la Catolica 73; SANTO DOMINGO
 ALC Dominicana de Aviacion; Calle Leopoldo do Navarro 61; Edificio San Rafael; Apartado 1415; SANTO DOMINGO

EASTER ISLAND

PAQ / see Chile / 85469 / NE / 122V16

ECUADOR

EQA / HC-HD / 84000-84299 / SE / 119B8

AIR Direccion General de Aviacion Civil; Buenos Aires 149 y 10 de Agosto; Casilla 2077; QUITO
 ALC Ecuatoriana; Torres de la Almagro; Avenida Colon y Reina Victoria; QUITO
 ALC Transportes Aereos Nacionales Ecuatorianos; Casilla 2665; QUITO
 MAR Direccion de la Marina Mercante y del Litoral; Malecon Simon Bolivar y Clemente Ballen; GUAYAQUIL
 TSF Instituto Oceanografica de la Armada; Jefe del Departamento Ayudas a la Navegacion; Casilla 5940; GUAYAQUIL

EGYPT

EGY / SSA-SSM SU 6A-6B / 62300-62599 / HE / 85J6

AIR Egyptian Civil Aviation Authority; COM/OPS Director General; 31, 26th July Street; CAIRO
 ALC Egypt Air; Cairo International Airport; HELIOPOLIS
 MAR Alexandria Radio; 9th Floor; Manshia Square; ALEXANDRIA

COUNTRY AND ADDRESS LIST 12

MAR Port Said Radio; 15 Sultan Hussein Street; PORT SAID
 MET Ministry of Civil Aviation; Meteorological Authority; Telecom Section; Engineer in Charge; Koubri el Quobba; CAIRO
 PRS Middle East News Agency; Head of Engineering Section; 4 Sherifein Street; CAIRO

EL SALVADOR

SLV / HU YS / 78650-78674 / MS / 115011

AIR Direccion General de Aeronautica Civil; Aeropuerto Internacional; ILOPANGO
 ALC TACA International Airlines SA; Edificio Caribe 2 Piso; SAN SALVADOR

EQUATORIAL GUINEA

GNE / 3C / 64800-64849 / FG / 91A2

AIR Ministerio de Comunicaciones y Transportes; Direccion General de Transportes; MALABO

ETHIOPIA

ETH / ET 9E-9F / 63000-63599 / HA / 87F6

AIR Civil Aviation Authority; Engineering Department; Head Nav-aid & Communications; P. O. Box 978; ADDIS ABABA
 ALC Ethiopian Airlines Corporation; P. O. Box 1755; ADDIS ABABA
 MAR (Assab R via ETA Addis Ababa)
 PTT Ethiopian Telecommunications Authority; Head Office; Radio Division; P.O. Box 1047; ADDIS ABABA
 UN United Nations; Communications Station 4UF; Economic Commission for Africa; ECA Cable Unit; P. O. Box 3001; ADDIS ABABA

FALKLAND ISLANDS (MALVINAS) AND DEPENDENCIES

FLK / see United Kingdom / 88880-88903 / SF / 121E9

MAR Port Stanley Radio VPC; Station Supervisor; PORT STANLEY

FIJI

FJI / 3DN-3DZ / 91650-91699 / NFF-NFS / 10Q5

AIR Nadi Airadio; Operations and Safety Division; Communication Services; Station's Communications Officer; P. O. Box 183; Airport; NADI
 ALC Air Pacific Ltd.; Air Pacific House; Butt Street; P. O. Box 311; SUVA
 MAR (Suva R via FITEL Suva)
 PTT Fiji International Telecommunications Ltd.; P. O. Box 49; SUVA

FINLAND

FNL / OF-OJ / 02800-02999 / EF / 51

AIR National Board of Aviation; P. O. Box 50; SF-01531 VANTAA
 ALC Finnair OY; Mannerheimintie 102; SF-00250 HELSINKI
 COP Yrity 1987 Klingenfuss Publications
 DTU ebingen 7400 Federal Republic of Germany
 MAR (Helsinki R via PTT Helsinki)
 MAR Kotka Radio; Station Manager; Pl 2; SF-48221 KOTKA 21
 MAR Vaasa Radio; SF-65380 VAASA 38
 MET Ministry of Communications; Finnish Meteorological Institute; Technical Department; Vuorikatu 24; P. O. Box 503; SF-00101 HELSINKI 10
 PTT General Directorate of Posts and Telecommunications; Telecommunications Department; International Section; P. O. Box 526; SF-00101 HELSINKI

COUNTRY AND ADDRESS LIST 13

FRANCE

F / F HW-HY TH TK TM TO-TQ TV-TX / 07000-07999 / LF / 67

AF Armee de l'Air; F. A. Tac. - 1ere R.A.; Commandement Regional des Transmissions de la Force Aerienne Tactique et de la 1ere Region Aerienne; Metz Air; F-57039 METZ Cedex

AF French Air Force Communications Station FDY; Escadron Electronique 1/800; F-45000 ORLEANS-BRICY-AIR

AF (FAF Paris =) Radio Club de la BA 117 F6TNB; Bat. 22 Piece 561; 24 Boulevard Victor; F-75015 PARIS

AIR Ministere des Transports; Direction Generale de l'Aviation Civile; Direction de la Navigation Aerienne; L'Inspecteur Technique; 93 Boulevard du Montparnasse; F-75006 PARIS Cedex

ALC Air Charter; 12 Rue Le Corbusier; Silic 318; F-94588 RUNGIS Cedex

ALC Air France; 1 Square Max Hymans; F-75741 PARIS Cedex 15

ALC Air Inter; 1 Avenue Marechal Devaux; F-91550 PARAY Vieille Poste

ALC Pointair; Aeroport; B. P. 325; F-69190 LYON-SATOLAS

ALC UTA; 3 Boulevard Malesherbes; F-75008 PARIS

IP Le Chef du Centre Radio; O.I.P.C. INTERPOL; 26 Rue Armengaud; F-92210 ST. CLOUD

MAR Centre Radiomaritime de Bordeaux-Arcachon; Le Chef de Centre; F-33311 ARCA-CHON

MAR Boulogne-sur-Mer Radio; Le Portel (Pas-de-Calais); F-62200 BOULOGNE-SUR-MER

MAR Centre Radiomaritime Brest-Le Conquet; Officer-in-Charge; F-29217 LE CONQUET

MAR Centre Radiomaritime de Marseille; Mont Rose par la Madrague de Montredon; F-12008 MARSEILLE

MAR Centre Radiomaritime de Saint-Lys; Le Chef de Centre; F-31470 SAINT-LYS

MAR DGT Services Radioelectriques; Centre Radiomaritime; L'Inspecteur; F-44480 SAINT-NAZAIRE-DONGES

MIL Ministere de la Defense; Etat-Major des Armees; Chef; 14 Rue Saint-Dominique; F-75997 PARIS Armees

NAV Marine Nationale Francaise; Poste Emetteur; Arsenal Maritime; F-29240 BREST-Naval

NAV (FN La Regine via FN Toulon)

NAV (FN Le Blanc via FN Paris)

NAV Ministere de la Defense; Marine Nationale Francaise; Division T.E.R.; Secretariat EMM/OPS/TRANS; Bureau "Transmissions"; Etat-Major de la Marine; 2 Rue Royale; F-75200 PARIS-Naval

NAV Marine Nationale; IIIe. Region Maritime; Service Transmissions et Veille Littorale; Chef du Service TVL; F-83800 TOULON-Naval

PRS Agence France Presse; A.F.P. Technique; Le Chef du Service Peri-Informatique et Radio; 13 Place de la Bourse; B. P. 20; F-75061 PARIS Cedex 2

PTT Direction des Telecommunications des Reaux Exterieurs; Immeuble DGT Bercy; M. l'Ingenieur en Chef; 246 Rue de Bercy; F-74484 PARIS Cedex 12

TSF Centre National d'Etudes des Telecommunications; Departement EST/DEF; 38-40 Rue du General Leclerc; F-92131 ISSY-LES-MOULINEAUX

TSF Bureau International de l'Heure; Laboratoire Primaire du Temps et des Frequences; M. le Chef du Service de l'Heure; 61 Avenue de l'Observatoire; F-75014 PARIS

GABON

GAB / TR / 64500-64599 / FO / 91B4

AIR Representation de l'ASECNA; Chef Maintenance; B. P. 2252; LIBREVILLE

ALC Air Gabon; B. P. 2206; LIBREVILLE

MAR (Libreville R via TIIG Libreville)

PTT Telecommunications Internationales Gabonaises; B. P. 2261; LIBREVILLE

GAMBIA

GMB / C5 / 61700-61749 / GB / 89B5

AIR Department of Civil Aviation; Directorate; Yundum International Airport; P.O. Box 285; BANJUL

MAR (Banjul R via C+W Banjul)
 PTT Cable and Wireless Ltd.; P. O. Box 266; BANJUL

GERMAN DEMOCRATIC REPUBLIC

DDR / Y2-Y9 / 09000-09999 / ET / 62G2

AIR Ministerium für Verkehrswesen; Hauptverwaltung der Zivilen Luftfahrt; Zivile Flugsicherung; Zentral-Flughafen; DDR-1189 BERLIN-SCHÖNEFELD
 ALC Interflug; Zentral-Flughafen; DDR-1189 BERLIN-SCHÖNEFELD
 MAR Funkamt Rügen; Küstenfunkstelle; DDR-2344 GLOWE
 MET Meteorologischer Dienst der DDR; Stellvertreter des Direktors; Albert-Einstein-Strasse 42-44-46; DDR-1500 POTSDAM
 PRS Allgemeiner Deutscher Nachrichtendienst; Mellerstr. 1; DDR-1020 BERLIN
 PTT Ministerium für Post- und Fernmeldewesen; Überseedienst der Deutschen Post; Agastrasse; DDR-1199 BERLIN-ADLERSHOF
 TSF Amt für Standardisierung, Meßwesen und Warenprüfung; Fachabteilung Elektrizität und Magnetismus; Arbeitsgebiet Zeit- und Frequenznormale; Fürstenwalder Damm 388; DDR-1162 BERLIN

GERMANY (FEDERAL REPUBLIC OF)

D / DA-DR / 10000-10999 / ED / 62D5

AIR Bundesamt für Zivilluftfahrt; Opernplatz 14; Postfach 10 04 44; D-6000 FRANKFURT 1
 ALC Aero Lloyd; Gebäude 402; D-6000 FRANKFURT 75 Flughafen
 ALC Condor Flugdienst GmbH; Hans-Böckler-Str. 7; D-6078 NEU-ISENBURG 1
 ALC Deutsche Lufthansa AG; Abteilung Fernmeldedienst; Bereich West; D-6000 FRANKFURT 75 Flughafen
 ALC Hapag-Lloyd Flug GmbH; Prüforganisation; Postfach 42 02 40; D-3000 HANNOVER 42 Flughafen
 ALC LTU; Halle 8; D-4000 DÜSSELDORF 30 Flughafen
 ALC Lufttransport-Süd AG; Postfach 87 02 08; D-8000 MÜNCHEN 87
 CY Klingenfuss Publications; Hagenloher Str. 14; D-7400 TÜBINGEN
 FF USAF Ramstein AB; APO NEW YORK, NY 09009; USA
 FF (USA MARS Heidelberg =) US Army Communications Station AEM1USA; Department of the Army; 267th Signal Company; 73rd Signal Bataillon; Chief of Transmitter Branch; APO NEW YORK, NY 09189; USA
 MAR Küstenfunkstelle Kiel Radio; Funkstellenweg 30; D-2300 KIEL-SCHILKSEE
 MAR Küstenfunkstelle Norddeich Radio; D-2980 NORDEN
 MET (Grenel Meteo =) Amt für Wehrgeophysik; Beratungszentrale T3; Postfach 90 25 00/07; D-5000 KÖLN 90
 MET (Hamburg Meteo =) Deutscher Wetterdienst; Fernmeldebetriebsgruppe FMD3C 2; Heinrich-Hertz-Strasse; D-2085 QUICKBORN
 MET Deutscher Wetterdienst; Fernmeldeabteilung; Frankfurter Strasse 135; Postfach 1 85; D-6050 OFFENBACH
 NAV Marinefernmeldegruppe 21; Radiostation DHJ 59; Admiral-Zimmermann-Kaserne; D-2940 WILHELMSHAVEN
 PRS Deutsche Presse-Agentur; Zentrale; Technische Leitung; Mittelweg 38; D-2000 HAMBURG 13
 PRS Presse- und Informationsamt der Bundesregierung; Welckerstr. 11; D-5300 BONN 1
 TSF Physikalisch-Technische Bundesanstalt; Laboratorium 1.21; Station DCF77; Bundesallee 100; D-3300 BRAUNSCHWEIG
 - Deutsche Welle; Hauptabteilung Hochfrequenz; Postfach 10 04 44; D-5000 KÖLN 1

GHANA

GHA / 9G / 65400-65499 / DG / 89J8

AIR Civil Aviation Authority; Director; P. O. Box 87; Kotoka International Airport; ACCRA
 ALC Ghana Airways Corporation; Ghana House; P. O. Box 1636; ACCRA
 MAR Coastal Station 9GA - Takoradi Radio; The Radio Officer; P.O. Box 8; TAKORADI

COUNTRY AND ADDRESS LIST 15

GIBRALTAR

GIB / see United Kingdom / 08495-08499 / LX / 76P10

NAV Joint Communications Centre; Fleet Chief Supervisor; HM Naval Base Gibraltar;
B. F. P. O. 52; LONDON; United Kingdom

GREECE

GRC / J4 SV-SZ / 16600-16799 / LG / 82E6

AIR Ministry of Transport and Communications; Civil Aviation Authority; P. O. Box 73751; GR-16604 HELLINIKO
ALC Olympic Airways; 96 Syngrou Avenue; GR- ATHENS 104
EMB (USE Athens via MFA Washington, USA)
FF US NAVCOMMSTA Nea Makri GR; Commanding Officer; FPO NEW YORK, NY 09525; USA
MAR (Athens R via HTO Athens)
MAR (Iraklion R via HTO Athens)
MAR (Kerkyra R via HTO Athens)
MAR Rhodos Radio SVN; O.T.E. Paraktion Kentron; Radiopikionion Rodoy; GR- RHODOS
PRS Voice of America Relay Station; P. O. Box 66; GR-85100 RHODOS
PTT Hellenic Telecommunications Organization S.A.; Installation Department; Radio Division; 15 Stadiou Street; GR- ATHENS 124

GREENLAND

GRL / see Denmark / 04100-04399 / BG / 48

MAR (Nuuk R via GTO Nuuk)
NAV Naval Radio Station OVC; Officer-in-Charge; DK-3930 GRONNEDAL
PTT Gronlands Tekniske Organisation; Traffic Department; Chief Supervisor; Telestationen; Postbox 1002; DK-3900 NUUK

GRENADA

GRD / J3 / 78956-78959 / MKPG MKPY / 116P5

AIR Ministry of Works, Communication, Public Utilities, Civil Aviation and Energy; Department of Civil Aviation; P. O. Box 293; ST. GEORGE'S

GUADELOUPE AND DEPENDENCIES

GDL / see France / 78890-78904 /
MFFA-MFFC MFFG - MFFS / 116N4

GUAM

GUM / see Mariana Islands / 91212-91217 / PGA-PGF PGT-PGU / 19L1

GUATEMALA

GTM / TD TG / 78600-78649 / MG / 115o10

AIR Direccion General de Aeronautica Civil; Aeropuerto Internacional "La Aurora"; Zona 13; CIUDAD DE GUATEMALA
ALC Aviatega; Avenida Hincapie; Aeropuerto Internacional "La Aurora"; Zona 13; CIUDAD DE GUATEMALA

GUIANA (FRENCH)

GUF / see France / 81400-81599 / MO / 117C2

AIR Ministere des Transports; Direction de l'Aeronautique Civile; Chef de la Maintenance Radioelectrique; Aerodrome de Cayenne-Rochambeau; F-97300 MATOURY
MIL (FA Cayenne via) **Marcel Richer FY7BW; Lotissement Jasmin; Route de Cabassou Villa 1; F-97300 CAYENNE

GUINEA

GUI / 3X / 61800-61849 / GU / 89C6

AIR Ministere des Transports; Direction Generale de l'Aviation Civile; B. P. 95; CONAKRY

COUNTRY AND ADDRESS LIST 16

ALC Air Guinee; Avenue de la Republique; B. P. 12; CONAKRY
MAR (Conakry R via DGT Conakry)
MAR (Kamsar R via DGT Conakry)
PTT Direction Generale des Telecommunications; CONAKRY

GUINEA-BISSAU

GNB / J5 / 61750-61799 / GG / 89B5

AIR Direccao-Geral da Aviacao; Servico da Aeronautica Civil; C. P. 77; BISSAU

GUYANA

GUY / 8R / 81000-81199 / ML / 117A1

AIR Ministry of Transport; Civil Aviation Department; Oranapai Towers - Wights Lane; Kingston; P. O. Box 1006; GEORGETOWN
MAR (Demerara R via GUYTELCO Georgetown)
PTT Guyana Telecommunication Corporation; P. O. Box 10628; GEORGETOWN

HAITI

HTI / HH 4V / 78400-78449 / MT / 116H5

AIR Secretairerie d'Etat des Travaux Publics, des Transports et des Communications; Office National de l'Aviation Civile - OFNAC; Aeroport International Francois Duvalier; B. P. 1346; PORT-AU-PRINCE
ALC Haiti Air; B. P. 685; PORT-AU-PRINCE

HAWAII

HWA / see United States of America / 91155-91999 91280-91293 91902-91903 / PH / 114

AIR Honolulu Volmet Radio KVM70; Facility Chief; Federal Aviation Administration; Honolulu Flight Service Station; International Airport; HONOLULU, HI 96891
ALC Aloha Airlines Inc.; P. O. Box 30028; HONOLULU, HI 96820
ALC Hawaiian Air; P. O. Box 30008; International Airport; HONOLULU, HI 96820
NAV Naval Western Oceanography Centre; P. O. Box 113; PEARL HARBOUR, HI 96860
TSF Department of Commerce; National Bureau of Standards; Station WWVH; Engineer-in-Charge; P. O. Box 417; Kekeha; KAUAI, HI 96752

HONDURAS

HND / HQ-HR / 78700-78724 / MH / 105L2

AIR Direccion General de Aeronautica Civil; Departamento de Operaciones; Aeropuerto Internacional Toncontin; Apartado T-245; TEGUCIGALPA, D.C.
ALC Servicio Aereo de Honduras SA; Apartado 129; TEGUCIGALPA, D.C.

HONG KONG

HKG / see United Kingdom / 45000-45010 45030-45040 / VH / 23A10

AIR Civil Aviation Department; United Centre, 10th Floor; 95 Queensway; HONG KONG
ALC Cathay Pacific Airways Ltd.; Swire House; 9 Connaught Road; Central; HONG KONG
MAR (Victoria Island R via C+W Victoria Island)
PRS (AFP Victoria Island via AFP Paris, France)
PRS (REUTER Victoria Island via C+W Victoria Island)
PTT Cable and Wireless (Hong Kong) Ltd.; New Mercury House; 22 Fenwick Street, Wanchai; P. O. Box 597; CAPE D'AGUILAR

HOWLAND ISLAND

HWL / see United States of America / - / - / 122A3

COUNTRY AND ADDRESS LIST 17

HUNGARY

HNG / HA HG / 12700-12999 / LH / 81D3

AIR Ministry of Transport; General Directorate of Civil Aviation; Pf. 53; H-1675 BUDAPEST
 ALC Malev; Roosevelt ter 2; H-1052 BUDAPEST V
 MAR Coastal Station HAR; Budapest Naval Radio; Societe Anonyme des Navigations Hongroises (MAHART); Ministry of Posts and Communications; H- BUDAPEST
 PRS Magyar Tavorati Iroda; Fem u. 5-7; H- BUDAPEST 1
 PTT Administration Centrale des Postes et Telecommunications de Hongrie; H-1540 BUDAPEST

ICELAND

ISL / TF / 04000-04099 / BI / 50

AIR Directorate of Civil Aviation; P. O. Box 350; IS-121 REYKJAVIK
 ALC Eagle Air of Iceland; P. O. Box 1406; IS-121 REYKJAVIK
 ALC Icelandair; IS-101 REYKJAVIK
 MAR (Reykjavik R via PTT Gufunes)
 PTT Gufunes Telecommunications Centre; Station Manager; P. O. Box 270; IS-121 REYKJAVIK

INDIA

IND / AT-AW VT-VW 8T-8Y / 42000-43399 / VA VE VI VO / 27M5

AIR Civil Aviation Department; Aeronautical Communications Station; Controller of Communications; Santacruz International Airport; BOMBAY 400057
 AIR Civil Aviation Department; Calcutta Region; Office of the Regional Director; Assistant Communications Officer; R-463 B New Quarters; Calcutta Airport; CALCUTTA 700052
 AIR Civil Aviation Department; Office of the Regional Director; Aeronautical Communication Station; Director; Delhi Airport; Palam; NEW DELHI 110010
 AIR Civil Aviation Department; Aeronautical Communications Station; Communications Officer; Airport of Madras; MADRAS 27
 ALC Air India; Air India Building; Nariman Point; BOMBAY 4000021
 ALC Indian Airlines; Airlines House; 113 Gurdwara Rakabganj Road; Parliament Street; NEW DELHI 110001
 MAR Coastal Radio Station VWB; Bombay Telephone District; Chief Radio Operator; BOMBAY
 MAR Calcutta Radio; Alipore Observatory; CALCUTTA
 MAR P. & T.; Madras Radio VWM; Miruvottiyur; MADRAS 600019
 MET Office of the Director General of Observatories; Telecom Computer Unit; Lodi Road; NEW DELHI 110003
 NAV Naval Communications Centre; Officer-in-charge; Shahid Bhagat Singh Road; BOMBAY 400001
 PRS The Press Trust of India Ltd.; Engineer-in-Charge; 4 Parliament Street; NEW DELHI 110001
 PTT Overseas Telecommunications Service; Assistant Engineer; 1 Parliament Street; NEW DELHI 110001
 TSF National Physical Laboratory; Time and Frequency Division; Assistant Director; Hillside Road; NEW DELHI 110012

INDONESIA

INS / JZ PK-PO YB-YH 7A-7I 8A-8I / 96000-96299 96500-97999 / WA WI WP WR / 17H13

AIR Direktorat Telekomunikasi, Navigasi Udara dan Listrik; Gedung Operasi Pelabuhan Udara Kemayoran; Sub Directorate of Telecommunication Facilities; Head; Jalan Angkasa 8; Kemayoran; P. O. Box 3109; JAKARTA
 ALC Garuda Indonesia; Jalan Juanda 15; JAKARTA
 MAR (Belawan R via Jakarta R)

COUNTRY AND ADDRESS LIST 18

MAR Jakarta Radio PKX; c/o Departemen Perhubungan; Direktorat Jenderal Perhubungan Laut; Head of Marine Electronics & Telecommunications Division; Medan Merdeka Timur No. 5; JAKARTA
 (Makassar R via Jakarta R)
 MAR Stasion Radio Pantai; Palembang Radio PKC; PALEMBANG
 (Semarang R via Jakarta R)
 MAR Surabaya Radio PKD; Setasiun Radio Perum TEL; Jebel Ketintang I568; SURABAYA
 MET Badan Meteorologi dan Geofisika; Departemen Perhubungan; Chief Telecommunication and Instrumentation Division; Jalan Arief Rakhman Hakim 3; P. O. Box 3540; JAKARTA

INTERNATIONAL CIVIL AVIATION ORGANIZATION

- / 4Y / - / - / -

IRAN

IRN / EP-EQ 9B-9D / 40700-40899 / OI / 32

AIR Civil Aviation Organization; International Affairs and Air Transport; Mehrabad International Airport; P. O. Box 11365-8315; TEHRAN
 ALC Iran Air; Iran Air Building; P. O. Box 13185-775; Mehrabad Airport; TEHRAN
 EMB Swedish Embassy; P. O. Box 15875-4313; TEHRAN
 MAR (Abadan R via PTT Tehran)
 MET Ministry of Roads and Transport; Iranian Meteorological Organization; Technical Services Division; P. O. Box 13-461; TEHRAN-Mehrabad
 PRS Islamic Republic News Agency; Technical Deputy to Managing Director; 873 Vali Asr Avenue; TEHRAN
 PTT Ministry of Posts, Telegraph and Telephone; Directorate General of Telecommunications; P. O. Box 11365-931; 16314 TEHRAN

IRAQ

IRQ / HN YI / 40600-40699 / OR / 34H5

AIR State Organization of Iraqi Civil Aviation; Al-Fourat Avenue; P. O. Box 6179; Saddam International Airport; BAGHDAD
 ALC Iraqi Airways; New International Airport; BAGHDAD
 MAR Transmission Engineer; Basrah Control Radio YIR; Iraqi Ports Administration; BASRAH
 PRS Iraqi News Agency; Adu Nawwas Street; BAGHDAD

IRELAND

IRL / EI-EJ / 03950-03999 / EI / 59

AIR Shannon Airadio; NEWMARKET-ON-FERGUS, Co. Claire
 ALC Aer Lingus PLC; P. O. Box 180; DUBLIN AIRPORT, Co. Dublin
 MAR Marine Rescue Co-Ordination Centre; Department of Communications; Officer-in-Charge; Wing 5; Terminal Building; SHANNON AIRPORT, Co. Clare
 MAR Valentia Radio; Officer in Charge; VALENTIA ISLAND, Co. Kerry

ISRAEL

ISR / 4X 4Z / 40150-40199 / LL / 34B6

AIR Israel Airports Authority; P. O. Box 137; IL-70100 BEN GURION INTERNATIONAL AIRPORT
 ALC Arkia Israel Airlines Ltd.; P. O. Box 39301; Dov Airport; IL-61392 TEL AVIV
 ALC El Al Israel Airlines Ltd.; Director of System Control; P. O. Box 41; IL-70100 BEN GURION INTERNATIONAL AIRPORT
 MAR Haifa Radio 4XO; c/o ** Y. Fleminger; IL- HAIFA
 MET Ministry of Transport; Israel Meteorological Service; Director; P. O. Box 25; IL- BET DAGAN
 NAV Haifa Naval Radio 4XZ; Communications Officer; Navy Base; IL- HAIFA
 PTT Ministry of Posts; Engineering Service; 37 Yehuda Hayamit Street; P. O. Box 29515; IL-61294 TEL AVIV

ITALY

I / I / 16000-16595 / LI / 77

AIR Aeronautica Militare Italiana; Ispettorato Telecomunicazioni e Assistenza al Volo; 2. Reparto "Traffico Aereo"; Piazzale degli Archivi 34-36; I-00100 ROME

ALC Alitalia; Palazzo Alitalia; Piazzale Giulio Pastore; I-00122 ROME

ALC Linee Aeree Nazionali; Capodichino Airport; I-80144 NAPOLI

FF USCG LORAN Station Simeri Crichi; Senior Technical Officer; Box 90; FPO NEW YORK, NY 09520; USA

MAR Amministrazione delle Poste e delle Telecomunicazioni; Ufficio Principale Radio P.T.; Strada Adriatica Sud nr. 76/C; I-70100 BARI

MAR Stazione Costera "Civitavecchia Radio"; Via G. Bruno 11; Palazzo PTT; I-00053 CIVITAVECCHIA

MAR Copyright 1987 Klingenfuss Publications D-7400 Tuebingen Fed. Rep. of Germany

MAR Genova Radio ICB; Ufficio Principale Radio P. T.; Il Direttore; Via Romana della Castagna 23; I-16148 GENOVA-QUARTO

MAR Ufficio Principale Radio P.T.; Centro Radiostazione Transmarittima; Via delle Pia Vacce; Antignano; I-57100 LIVORNO

MAR Direzione Provinciale delle Poste e Telecomunicazioni di Messina; Centro Radio P. T.; I-98100 MESSINA

MAR Societa Italiana Radio Marittimo; Il Direttore del Napoli PT Radio; I- NAPOLI

MAR Ufficio Principale Radio P.T.; I-07046 PORTO TORRES

MAR Amministrazione delle Poste e delle Telecomunicazioni; Ufficio Principale; Roma Radio P. T.; Reparto Radioricivente; Il Direttore Reggente; Via delle Mercedes 96; I-00100 ROME

MAR Stazione Radio Costera P. T.; Via Curzi 24; I-63039 SAN BENEDETTO DEL TRONTO

MAR Ufficio Principale Radio P.T.; Il Dirigente; I-91100 TRAPANI

MAR Ufficio Principale Radio PT Trieste; Il Direttore; Via Bellavista 4; I-54100 TRIESTE

MET Aeronautica Militare Italiana; Ispettorato Telecomunicazioni e Assistenza al Volo; 3. Reparto - Servizio Meteorologico; 3. Centro - Elaborazioni Elettromiche e Telecomunicazioni Meteorologiche; Piazzale degli Archivi 34-36; I-00100 ROME

NAV Radio Marina Militare; Commanding Officer; Via della Storta 701; I-00123 ROME

PRS A.N.S.A.; c/o RADIOSTAMPA; Via delle Mercedes 55; I-00187 ROME

PRS (IINA Rome via ITALCABLE Rome)

PTT Servizi Cablografici, Radiotelegrafici e Radioelettrici S.p.A.; Via Calabria 46 - 48; I-00187 ROME

TSF Istituto Superiore delle Poste e delle Telecomunicazioni; Uff. 8; Rep. 3.; Viale Europa; I-00100 ROME

TSF Istituto Elettrotecnico Nazionale; Corso Massimo d'Azeglio 42; I-10125 TORINO

IVORY COAST

CTI / TU / 65526-65599 / DI / 89F7

AIR ASECNA; Representation en Cote d'Ivoire; Departement de l'Infrastructure Radioelectrique; B. P. 1365; ABIDJAN 01

ALC Air Afrique; B. P. 3927; ABIDJAN 01

MAR (Abidjan R via PTT Abidjan)

PTT Office des Postes et Telecommunications de la Republique de Cote d'Ivoire; Centre Recepteur de Marcory; Le Chef de Centre; ABIDJAN

JAMAICA

JMC / 6Y / 78387-78399 / MKJ / 116M2

AIR Civil Aviation Department; 9 Trinidad Terrace; P. O. Box 4000; KINGSTON 5

ALC Air Jamaica Ltd.; 72 - 76 Harbour Street; KINGSTON

MAR (Kingston R via JAMINTEL Kingston)

PTT Jamaica International Telecommunications Limited; Supervisor; 15 North Street; P. O. Box 138; KINGSTON

COUNTRY AND ADDRESS LIST 20

JAPAN

J / JA-JS 7J-7N 8J-8N / 47200-47999 / RJ RO / 20

AIR T.I.A.; Aviation Weather Service; Liaison Officer; Japan Meteorological Agency; Tokyo International Airport; Ota-ku; TOKYO

ALC All Nippon Airways; 2-5 Kasumigaseki 3-chome; Chiyoda-ku; TOKYO 100

ALC Japan Air Lines; 7-3 Marunouchi 2-chome; Chiyoda-ku; TOKYO 100

ALC Japan Asia Airways; Yurakucho Denki Building; Minami-ken; 7-1 Yurakucho 1-chome; Chiyoda-ku; TOKYO 100

ALC Southwest Air Lines Co. Ltd.; 3-1 Yamashita-cho; NAHA CITY 900, Okinawa

ALC Toa Domestic Airlines; 4th Floor; 18 Mori Building; 3-13 Toranomon 2-chome; Minato-ku; TOKYO 105

MAR Choshi Radio; Kobatakeshinmachi 7756; CHOCHI-CITY

MAR (Matsudo F R =) Chuo Gyogyo Radio; Central Fishing Radio JFA; 62 Futawacho; FUNABASHI CITY, Chiba Pref.

MAR Nippon Telegram and Telephone Public Corporation; Coastal Station Nagasaki Radio; 14-1 Hinode-cho; ISAHAYA-CITY 854

MAR Naha Radio; Nippon Telegraph and Telephone Public Corporation; Director; 342 Sobe; NAHA 900, Okinawa

MAR (JNA =) Japan Maritime Safety Agency; Chief Communications Officer; 1-3 Kasumigaseki 2-chome; Chiyoda-ku; TOKYO 100

MET Ministry of Transport; Japan Meteorological Agency; International Telecommunication Division; Forecast Department; 1-3-4 Otemachi; Chiyoda-ku; TOKYO

PRS Jiji Tsushin Sha; The Jiji Press; External Traffic Section; Chief; Shisei Kaikan Building; 1-3 Hibiya Koen; Chiyoda-ku; P. O. Box 15; Tokyo International Airport; TOKYO

PRS Kyodo News Service; Head Office; Communication Department; Radio and Cable Section; Supervisor of Verification; 2-2-5, Toranomon; Minato-ku; TOKYO 105

PRS (PL Tokyo via KDD Tokyo)

PTT Kokusai Denshin Denwa Co. Ltd.; KDD Building; 3-2 Nishi-Shinjuku 2-chome; Shinjuku-ku; P. O. Box 1; TOKYO 160

TSF Ministry of Posts and Telecommunications; Radio Research Laboratories; Frequency Standard Division; 4-1-3 Midori-cho; Koganei 184; TOKYO

JARVIS ISLAND

JAR / see United States of America / 91901 / PLUR / 122B3

JOHNSTON ISLAND

JON / see United States of America / 91275 / PJ / 122K6

JORDAN

JOR / JY / 40250-40349 / OJ / 34D7

AIR Amman Airport; AFTN Com Centre; Supervisor; AMMAN

ALC Alia; P. O. Box 302; AMMAN

MAR (Aqaba R via PTT Amman)

MET Ministry of Transport; Jordan Meteorological Department; The General Director; Marka; Amman Civil Airport; P. O. Box 341011; AMMAN

PRS PETRA; Jordan News Agency; P. O. Box 6845; AMMAN

PTT Telecommunications Corporation; P. O. Box 1689; AMMAN

KAMPUCHEA

KMP / XU / 48960-48999 / VD / 25G6

AIR Ministere des Travaux Publics et des Telecommunications; Direction de l'Aviation Civile; B. P. 86; PHNOM PENH

KENYA

KEN / 5Y-5Z / 63612-63820 / HK / 93G5

AIR Office of the Director General of Civil Aviation; P. O. Box 30163; NAIROBI

ALC Kenya Airways Ltd.; P. O. Box 19002; NAIROBI

COUNTRY AND ADDRESS LIST 21

MAR Mombasa Radio; c/o Kenya External Telecommunications Company Ltd.; Extelcom House; Branch Engineer; Nyerere Avenue; P. O. Box 80160; MOMBASA
 MET Ministry of Transport and Communications; Kenya Meteorological Department; Office of the Director of Meteorological Services; Directorate; Dagoretti Corner, Ngong Road; P. O. Box 30259; NAIROBI
 UN United Nations Environment Program; Chief Communications Officer; P. O. Box 30552; NAIROBI

KERGUELEN ISLANDS

KER / see France / - / - / 26R16

PTT Le Gerant Postal; PORT-AUX-FRANCAIS

KIRIBATI

KIR / T3 / 91484-91491 91533 91600-91629 / NGA-NGB NGM-NGU PLC-PLF / 9B5

AIR Ministry of Communications; Directorate of Civil Aviation; Secretary of Communications; P. O. Box 487; BETIO, Tarawa Atoll
 MAR (Takaronga R via PTT Betio)
 PTT Ministry of Communications; P. O. Box 487; BETIO, Tarawa Atoll

KOREA (DEMOCRATIC PEOPLE'S REPUBLIC OF)

KRE / HM P5-P9 / 47000-47079 / ZK / 21D7

AIR Civil Aviation Administration; Directorate General; Sunan District; PYONGYANG
 ALC Chosonminhang; Sunan District; PYONGYANG
 PTT Ministry of Posts and Telecommunications; Department of International Relations; Korean Central Wireless Station; PYONGYANG

KOREA (REPUBLIC OF)

KOR / DS-DT D7-D9 HL 6K-6N / 47080-47199 / RK / 21E9

AIR Ministry of Transportation; Civil Aviation Bureau; Kimpo International Airport; SOUL 150-01
 ALC Korean Air; KAL Building; Namdaemun-Ro 118, 2-ga; Chung-gu; C. P. O. Box 864; SOUL
 MAR Pusan Radio; c/o ** Chung Hae Young; Sen-gu Sendaesin-Dong; 3 Ka 172 13-1; PUSAN
 TSF Korea Standards Research Institute; Time and Electromagnetics Standards Laboratory; Taedok Science Town; P. O. Box 3; TAEJON

KUWAIT

KWT / 9K / 40550-40599 / OK / 34P9

AIR Directorate General of Civil Aviation; Kuwait International Airport; P.O. Box 17; SAFAT
 ALC Kuwait Airways Corporation; P. O. Box 394; International Airport; SAFAT
 MAR (Safat R via PTT Safat)
 PRS Kuwait News Agency; Technical Department; Chief Maintenance; Al Nakib Building; Fahad al Salem Street; P. O. Box 24063; SAFAT
 PTT Ministry of Communications; Chief Radio Engineer; SAFAT

LAOS

LAO / XW / 48920-48959 / VL / 25G3

AIR Ministere de la Defense Nationale; Direction de l'Aviation Civile; 2 Chemin Pang Kham; B. P. 119; VIENTIANE

COUNTRY AND ADDRESS LIST 22

LEBANON

LBN / OD / 40100-40149 / OL / 34C4

AIR Telecommunications Services; Chief; Beirut International Airport; BEIRUT
 ALC Middle East Airlines; B. P. 206; BEIRUT
 MAR (Beirut R via OGERO Beirut)
 PTT Organisme de Gestion et d'Exploitation des installations et des équipements de l'ex-Société Radio Orient; Ingenieur du Centre de Emission; B. P. 86; BEIRUT

LESOTHO

LSO / 7P / 68454 / FX / 95L5

AIR Department of Civil Aviation; P. O. Box 629; MASERU 100

LIBERIA

LBR / A8 D5 EL 5L-5M 6Z / 65600-65699 / GL / 89D8

AIR Roberts International Airport; Telecommunications Department; P. O. Box 1; MONROVIA
 PRS Voice of America; Liberia Relay Station; Manager; P. O. Box 1025; MONROVIA

LIBYA

LBY / 5A / 62000-62299 / HL / 85B6

AIR Department of Civil Aviation; Director of Technical Services; Tripoli International Airport; TRIPOLI
 ALC Libyan Arab Airlines; P. O. Box 2555; TRIPOLI
 MAR Benghazi Radio 5AB; Maritime Radiotelegraph Station; Telecommunications Department; P. O. Box 9464; BENGHAZI
 MAR Tobruk Coast Station; Radio Officer; P. O. Box 44; TOBRUK
 PRS Jamahiriyah News Agency; Technical Department; P. O. Box 2303; TRIPOLI

LIECHTENSTEIN

LIE / see Switzerland / 06990 / see Switzerland / 66P3

LUXEMBOURG

LUX / LX / 06580-06599 / EL / 61o7

AIR Ministère des Transports; Service Aeronautique; 19-21 Boulevard Royal; L-2910 LUXEMBOURG
 ALC Luxair; Aeroport; B. P. 2203; L- LUXEMBOURG

MACAO

MAC / see Portugal / 45011-45020 / VM / 23F7

MAR (Macao R via DSCT Macao)
 PTT Direcção dos Serviços de Correios e Telecomunicações; Largo do Senado; MACAO

MADAGASCAR

MDG / 5R-5S 6X / 67009-67199 / FMM-FMS / 95A2

AIR ASECNA; Representation de Madagascar; Service Meteorologique; Ingenieur en Chef de la Navigation Aerienne; B. P. 46; ANTANANARIVO
 ALC Air Madagascar; 31 Avenue de l'Independance; B. P. 437; ANTANANARIVO
 MET Ministère des Transports, du Ravitaillement et du Tourisme; Service de la Meteorologie Malgache; B. P. 1254; ANTANANARIVO

MADEIRA

MDR / see Portugal / 08521-08524 / see Portugal / 96o6

MAR (Funchal R via CPRM Funchal)
 NAV Estacao Radionaval; Director; P-9400 PORTO SANTO

COUNTRY AND ADDRESS LIST 23

PTT Companhia Portuguesa Radio Marconi; Estacao do Madeira; O Garante de Funchal;
Avenida Arriaga 7 e 9; P-9000 FUNCHAL

MALAWI MWI / 7Q / 67421-67797 / FW / 92F7

AIR Chief Civil Aviation Officer; Private Bag 322; LILONGWE 3

MALAYSIA MLA / 9M 9W / 48600-48679 96400-96499 / WBB WBF-WBK WM / 18

AIR Department of Civil Aviation; Aeronautical Mobile Service; Operations Manager; KL International Airport; 47200 SUBANG

ALC Malaysian Airline System Berhad; Jalan Sultan Ismail; P. O. Box 513; 50250 KUALA LUMPUR

MAR Stesen Pantai (Penerimaan); Jabatan Telekom; Kuala Muda; 13110 PENANG

NAV Royal Malaysian Navy Base; Commanding Officer; Stesen Komunikasi; LUMUT, Perak

NAV Royal Malaysian Navy Base; Commanding Officer; Stesen Komunikasi; PENANG

MALDIVES MLD / 8Q / 43500-43599 / VR / 27L9

AIR Civil Aviation Authority; Dhoshimeynaa Building; Ameer Ahmed Magu; MALE 20-05

ALC Maldives Airways Ltd.; K. U. M. Building; 3rd Floor; Marine Drive; MALE 20-02

MALI MLI / TZ / 61200-61399 / GA / 89G4

AIR Representation de l'ASECNA; B. P. 36; BAMAKO

ALC Air Mali; B. P. 27; BAMAKO

MALTA MLT / 9H / 16596-16599 / LM / 83Y19

AIR Telecommunications Officer; Air Traffic Control Center; Department of Civil Aviation; Civil Airport Building; LUQA

ALC Air Malta; LUQA

MARIANA ISLANDS MRA / see United States of America / 91218-91232 / PGR-PGS / 17o8

ALC Air Micronesia Inc.; P. O. Box 298; SAIPAN 96950

CG USCG Radio Station; Commanding Officer; Box 149 NCWP; FPO SAN FRANCISCO, CA 96630; USA

NAV US Naval Oceanography Command Center; Joint Typhoon Warning Center; Commanding Officer; COMNAVMARIANAS Box 12; FPO SAN FRANCISCO, CA 96630-2926; USA

MARION ISLAND MRN / see South Africa (Republic of) / 68994 / FAME / 26A14

MARSHALL ISLANDS MRL / see United States of America / 91250-91258 91364-91378 / PK / 9A2

MARTINIQUE MRT / see France / 78915-78929 / MFFD-MFFF / 116L4

AIR Direction Regionale de l'Aviation Civile aux Antilles et en Guyane; B.P. 644; F-97262 FORT DE FRANCE

MAR (Fort de France R via DGT Fort de France)

COUNTRY AND ADDRESS LIST 24

NAV (FF Fort de France via FN Paris, France)
 PTT Centre Radioelectrique; Le Chef de Centre Exploitation; B. P. 604; F-97621
 FORT DE FRANCE

MAURITANIA MTN / 5T / 61400-61599 / GQ / 89B1

AIR ASECNA; Chef Station 5TX/GQPPYF; B. P. 6; Aerodrome; NOUADHIBOU
 AIR ASECNA; Representation au Mauritanie; B. P. 205; NOUAKCHOTT
 MAR Compagnie Radio Maritime; B. P. 50; NOUADHIBOU

MAURITIUS MAU / 3B / 61974-61995 / FIMM FIMP / 26T11

AIR Department of Civil Aviation; Principal Engineer; Plaisance International
 Airport; PLAINE MAGNIEN
 ALC Air Mauritius Ltd.; 5 President John Kennedy Street; P. O. Box 60; PORT LOUIS
 MAR Department of Telecommunications; Telecommunications Headquarters; Edith Cav-
 vell Street; PORT LOUIS
 MET Prime Minister's Office; External Communications; Meteorological Department
 Headquarters; Bigara Meteorological Station; The Observatory; Route Saint
 Paul; VACOAS

MAYOTTE ISLAND MYT / see France / 67005 / FMCZ / 95B2

MEXICO MEX / XA-XI 4A-4C 6D-6J / 76000-76999 / MM / 115

AIR Oficina de Servicios de Informacion Aeronautica; Departamento de Operaciones;
 Nueva Torre de Control; Bulevar Puerto Aereo 485; Delegacion Venustiano Car-
 ranza 15500; MEXICO CITY, D.F.
 ALC Aeromexico; Paseo de la Reforma 445; 06500 MEXICO CITY, D.F.
 ALC Mexicana; Apartado 12813; 03600 MEXICO CITY, D.F.
 MAR Estacion Costera XFM; Jefe; Apartado 293; MANZANILLO, Col.

MIDWAY ISLAND MDW / see United States of America / 91066 / PM / 122V2

MONACO MCO / 3A / - / LN / 71L9

MAR (Monte Carlo R via OMT Monte Carlo)
 PTT Office Monegasque des Telephones; 21 Avenue de la Costa; MC-98000 MONTE CARLO

MONGOLIA MNG / JT-JV / 44200-44399 / - / 22

ALC Air Mongol - Miat; Buyant-Ukha Airport; ULAN BATOR

MONTSERRAT MSR / see United Kingdom / - / MKPM / 116N6

MOROCCO MRC / CN 5C-5G / 60100-60349 / GM GS / 88H7

AIR C.N.C.S.A.; B. P. 5239; CASABLANCA-Maarif
 AIR Ministere des Transports; Avenue Ma-El-Aynayne; B. P. 759; AGDAL-RABAT
 ALC Royal Air Maroc; Aeroport Anfa; CASABLANCA
 MAR Centre Radioelectrique de Casablanca-Radio CNP; Le Chef du Centre Radiotele-
 grafique; CASABLANCA-BOURGOGNE
 MAR (Tanger R via ONPT Rabat)

COUNTRY AND ADDRESS LIST 25

PRS Maghreb Arabe Presse; Le Chef d'Exploitation; Rue Ibn Aicha; B. P. 1049 RP; RABAT
 PRS Voice of America; Director; P. O. Box 162; TANGER
 PTT Office National des Postes et Telecommunications; Direction des Telecommunications; Le Chef du Service des Transmissions; 6 Rue Oqbah (Agdal); RABAT

MOZAMBIQUE

MOZ / C8-C9 / 67200-67399 / FQ / 84H8

AIR Secretaria de Estado da Aeronautica Civil; Divisao de Intercambio Aeronautico; Alameda do Aeroporto; C. P. 227; MAPUTO
 ALC Linhas Aereas de Mocambique; C. P. 2060; MAPUTO
 MAR (Maputo R via PTT Maputo)
 MAR (Mocambique R via PTT Maputo)
 PTT Telecomunicacoes de Mocambique; C. P. 25; MAPUTO

NAMIBIA

NMB / see South Africa (Republic of) / 68006-68312 / see South Africa (Republic of) / 94C4

NAURU

NRU / C2 / 91530 / AN / 9A8

AIR Department of Civil Aviation; Flight Service Officer; P. O. Box 282; NAURU
 ALC Air Nauru; International Airport; NAURU

NEPAL

NPL / 9N / 44400-44499 / VN / 29H3

AIR Ministry of Tourism; Department of Civil Aviation; Engineering Section; Sina-mangal; KATHMANDU
 ALC Royal Nepal Airlines; RNAC Building; Kanti Path; KATHMANDU

NETHERLANDS

HOL / PA-PI / 06200-06399 / EH / 60

AIR (Amsterdam Air via) Rijksluchtvaartdienst; Albert-Plesman-Weg 1-6; NL- DEN HAAG
 ALC KLM-Hoofkantoor; Telecommunications Department; Amsterdamse Weg 55; NL-1182 GP AMSTELVEEN
 ALC Martinair Holland NV; Postbus 7507; NL-1118 ZG SCHIPHOL
 ALC Transavia Holland BV; Transavia Building; Postbus 7777; NL-1118 ZM SCHIPHOL
 KOP Yright 1987 Klingenfuss Publications D-7400 Tuebingen Fed. Rep. of Germany
 MAR Inspectie Kust- en Scheepsradio; Scheveningsweg 6; NL- 's- Gravenhage
 MFA Ministry of Foreign Affairs; Postbus 20061; NL-2500 EB DEN HAAG
 NAV (DN Goeree Island =) Officer in Charge; Netherlands Naval Station; Noraweg 20; NL- NORDWIJKERSHOUT

NETHERLANDS ANTILLES

ATN / PJ / 78985-78994 / MA / 116K8

AIR Curacao Airadio; Chief Radio Officer; Curacao Airport; WILLEMSTAD, Curacao
 MAR (Willemstad R via LTT Willemstad)
 PTT Lands Radio en Telegraafdienst; Telecommunications Administration; Head Office; Schouwburgweg 22; P. O. Box 103; WILLEMSTAD, Curacao

NEW CALEDONIA AND DEPENDENCIES

NCL / see France / 78825 91570-91599 / NW / 9B13

AIR Direction de l'Aviation Civile; B. P. H1; NOUMEA Cedex
 MAR Noumea Radio; B. P. 224; NOUMEA

COUNTRY AND ADDRESS LIST 26

NAV Commandement de la Marine Nationale; Service "Transmissions"; Officier des
Telecommunications; NOUMEA

NEW ZEALAND

NZL / ZK-ZM / 91997 93000-93999 / NZ / 11

AIR Ministry of Transport; Civil Aviation Division; Station Communications Officer;
P. O. Box 53008; International Airport; AUCKLAND
ALC Air New Zealand Ltd.; P. O. Box 73111; International Airport; AUCKLAND
MAR Awarua Radio ZLB; Acting Manager; Private Bag; INVERCARGILL
MAR Waitangi Radio ZLC; Acting Manager; WAITANGI, Chatham Islands
MET Ministry of Transport; New Zealand Meteorological Service; Superintendent
Technician Services; Salamanca Road; Kelburn; P. O. Box 722; WELLINGTON 1
TSF Scientific and Industrial Research Laboratory; LOWER HUTT

NICARAGUA

NGC / HT H6-H7 YN / 78725-78749 / MN / 115L3

AIR Ministerio de Transporte; Director General de Aereonautica Civil; Plaza Espana,
Edificio 17; Apartado 4936; MANAGUA J.R.
ALC Aeronica; Apartado 3688; MANAGUA

NIGER

NGR / 5U / 61000-61199 / DR / 90C3

AIR Representation de l'ASECNA; B. P. 1096; NIAMEY-AEROPORT

NIGERIA

NIG / 5N-50 / 65000-65299 / DN / 90C7

AIR Kano Airradio; Aviation Division; Kano Airport; KANO
AIR (Lagos Air =) Federal Ministry of Transport and Aviation; Civil Aviation Department;
Signal Section; Principal Technical Officer; Murtala Muhammed Airport; Private Mail Bag 1038; IKEJA
ALC Kobo Air; P. O. Box 1850; KANO
ALC Nigerian Airways Ltd.; P. O. Box 1024; IKEJA
MAR (Lagos R via NITEL Lagos)
MET Federal Ministry of Aviation; Meteorological Department; Telecommunications Division;
Private Mail Bag 12542; LAGOS
PTT Nigerian Telecommunications Ltd.; QSL Manager; NECOM House 15; Marina P. O. Box 173;
Private Mail Bag 12742; LAGOS

NIUE ISLAND

NIU / see New Zealand / 91822-91823 / NI / 10T5

AIR Ministry of Transport; Civil Aviation Division; Aerodrome Superintendent; Hanan International Airport; P. O. Box 83; NIUE

NORWAY

NOR / JW-JX LA-LN 3Y / 01000-01499 / EN / 49G4

AIR Civil Aviation Administration; Postboks 8124 Dep.; N-0032 OSLO 1
ALC Braathens SAFE; Postboks 55; N-1330 OSLO LUFTHAFN
MAR Alesund Radio; Postboks 279; N-6001 ALESUND
MAR Bjoernoeya Radio; N-9176 BJOERNOEYA
MAR Bodoe Radio; Postboks 373; N-8001 BODOE
MAR Floroe Radio; Markegata 42; N-6900 FLOROE
MAR Hammerfest Radio; Chief Director; Postboks 185; N-9601 HAMMERFEST
MAR Rogaland Radio; Postboks 367; N-4310 GANDDAL
MET (SAM Barentsburg, Spitsbergen via AARI Leningrad, USSR)
PTT Norwegian Telecommunications Administration; Radiotransmisjonskontoret; Universitetsgata 2; St. Olavs Plass; Postboks 6701; N-0130 OSLO 1

COUNTRY AND ADDRESS LIST 27

OMAN OMA / A4 / 41240-41319 / OO / 33L7

AIR Ministry of Communication; Directorate General of Civil Aviation; Radio Section; P. O. Box 204; MUSCAT

ALC Gulf Air; P. O. Box 138; MANAMA

MAR (Muscat R via GENTEL Muscat)

PTT General Telecommunication Organization; Transmission Department; Manager Transmission; P. O. Box 3789; Ruwi; MUSCAT

PAKISTAN PAK / AP-AS 6P-6S / 41500-41849 / OP / 31C6

AIR Civil Aviation Authority; Corporate Manager; B-1; International Airport; KARACHI 11

ALC Pakistan International Airlines; PIA Building; International Airport; KARACHI

MET Ministry of Defence; Aviation Division; Pakistan Meteorological Department; Forecasting and Climatology Division; Meteorological Complex; University Road; P. O. Box 8017; KARACHI 32

NAV (PN Karachi =) Naval Headquarters; Directorate of Signals; Natal Staff Branch; ISLAMABAD

PTT Pakistan Telegraph and Telephone; Directorate General; Chief Engineer (O/S); KARACHI

UN UNO; P. O. Box 68; RAWALPINDI

PALMYRA ISLAND PLM / see Kiribati / 91385 / PLPA / 122U7

PANAMA PNR / HO-HP H3 H8-H9 3E-3F / 78775-78824 / MP / 115o5

AIR Direccion de Aeronautica Civil; Edificio de Diego 98, 1er Piso; Calle 40 y Avenida Balboa; Apartados 7501 y 7615; PANAMA CITY 5

ALC Air Panama International SA; Apartado 8612; PANAMA CITY 5

FF (USAF Albrook AFB, Balboa =) Headquarters 1978 Communications Group (AFCC); Radio Operations Branch; APO MIAMI, FL 34001; USA

FF Department of the Navy; Inter-American Naval Telecommunications Network; Station NBA; Officer-in-charge; Drawer 5016; FPO MIAMI, FL 34061; USA

MAR Panama Intelmar Radio; Radio Manager; Apartado 2009; BALBOA

PAPUA NEW GUINEA PNG / P2 / 94000-94099 / AY / 15J6

AIR Department of Transport and Civil Aviation; Division of Civil Aviation; P. O. Box 457; Konedobu

ALC Air Niugini; P. O. Box 7186; BOROKO

MAR Post and Telecommunication Corporation; Coast Radio Station Port Moresby Radio; Manager; P. O. Box 1378; BOROKO

MAR (Rabaul R via PTC Boroko)

PTT Post and Telecommunication Corporation; P. O. Box 6352; BOROKO

PARAGUAY PRG / ZP / 86000-86299 / SG / 118A8

AIR Ministerio de Defensa Nacional; Direccion General de Aeronautica Civil; Piso 2; Avenida Mariscal Lopez y Vice-Presidente Sanchez; ASUNCION

ALC Lineas Aereas Paraguayas; Oliva 455; ASUNCION

MAR (Asuncion R via ANTELCO Asuncion)

PTT Administracion Nacional de Telecomunicaciones; Casilla 2042; ASUNCION

PERU PRU / OA-OC 4T / 84300-84799 / SP / 117G2

AIR Corporacion Peruana de Aeropuertos y Aviacion Comercial; Apartado 680; LIMA 100

ALC Aero Peru; Avenida Jose Pardo 601; LIMA 18

ALC Faucett Peru; Apartado 1429; LIMA 100

MET Servicio Nacional de Meteorologia y Hydrologia; Direccion de Operaciones Tecnicas; Oficina 205; Avenida Republica de Chile 295; Casilla 1308; 4862 LIMA

NAV Marina de Guerra del Peru; Direccion de Comunicaciones; Departamento de Comunicaciones Maritimas; Jefe; Avenida La Marina Cuadra 36; CALLAO 4

PHILIPPINES PHL / DU-DZ 4D-4I / 98000-98999 / RP / 19L4

AIR Civil Aeronautical Administration; Manila International Airport 3101; MANILA

ALC Philippine Air Lines Inc.; P. O. Box 954; MANILA

MAR Maritime Communications Inc.; Manager; Atlanta Corner 13th Street; Port Area; P. O. Box 4067; MANILA

PRS USIA; Voice of America; Philippines Relay Station; Transmitter Plant Supervisor; APO SAN FRANCISCO, CA 96277-5000; USA

PHOENIX ISLANDS PHX / see Kiribati / 91700-91719 / PB-PC / 122K8

PITCAIRN ISLAND PTC / see United Kingdom / 91960 / - / 122U11

POLAND POL / HF SN-SR 3Z / 12000-12699 / EP / 62K4

AIR Air Traffic and Airports Administration; Al. Zwarki i Wigury 1A; P. O. Box 3; PL-00906 WARSAW 19

ALC LOT; Ul. 17 Stycznia 39; PL-00906 WARSAW

MAR (Gdynia R via PTT Warsaw)

MAR (Szczecin R via PTT Warsaw)

MET (Warsaw Meteo via PTT Warsaw)

PRS (PAP Warsaw via PTT Warsaw)

PTT Ministerstwo Lacznosci; Departement Sluzby Telekomunikacyjnej; Pl. Stanislaw Malachowskiego 2; PL-00940 WARSAW

- Polish Academy of Sciences; Institute of Ecology; Department of Polar Research; Dziekanow Leany; PL-05150 WARSAW-LOMIANKI

POLYNESIA (FRENCH) OCE / see France / 78825-78845 91920-91959 / NT / 122M10

AIR Direction du Service d'Etat de l'Aviation Civile en Polynesie Francaise; B.P. 6404; Aeroport Faai; PAPEETE

PORTUGAL POR / CQ-CU XX / 08525-08599 / LP / 75

AIR Aeroportos e Navegacao Aerea E.P.; Direccion Geral de Navegacao Aerea; Arruamento C, Edificio 12; Aeroporto de Lisboa; P-1700 LISBON

ALC Air Atlantis SARL; Aeroporto do Lisboa; C. P. 5194; P-1704 LISBON Codex

ALC TAP; Edificio 25; Aeroporto do Lisboa; P-1704 LISBON Codex

MAR (Lisbon R via CPRM Lisbon)

MET Instituto Nacional de Meteorologia e Geofisica; Rua C - Aeroporto de Lisboa; P-1700 LISBON

NAV (PN Lisbon =) Ministerio da Marinha; Estacao Radionaval "Comandante Nunes Ribeiro"; Central Receptora de Algas; P- LINDA-A-VELHA

PTT Companhia Portuguesa Radio Marconi; O Director Tecnico; 125 Avenida Duque de Loule; Apartado 2778; P-1119 LISBON Codex

COUNTRY AND ADDRESS LIST 29

PRINCE EDWARD ISLAND

PEI / see South Africa (Republic of) / - / - / 26B13

PUERTO RICO

PTR / see United States of America / 78514-78535 / MJ / 105J7

AIR San Juan Airport Radio WWA3; Aeronautical Radio Inc.; Chief of Center Operations; International Airport; SAN JUAN, PR 00913-6648
 MAR (Loiza R via AAC+R San Juan)
 MAR (LUSAN Ponce Playa R via AAC+R San Juan)
 PTT All America Cables and Radio Inc.; P. O. Box S. 3746; SAN JUAN 00904

QATAR

QAT / A7 / 41160-41179 / OT / 33J4

AIR Civil Aviation Department; P. O. Box 3000; DOHA
 MAR (Doha R via PTT Doha)
 PTT Ministry of Communication and Transport; Telecommunications Department; P. O. Box 2633; DOHA

REUNION AND DEPENDENCIES

REU / see France / 61968-61984 / FME / 26V14

AIR Service de l'Aviation Civile; F-97489 SAINT DENIS - Cedex
 MAR (Saint Denis R via DGT Saint Denis)
 NAV (FF Saint Denis via FN Paris, France)
 PTT Centre Radioelectrique de la Reunion; Le Chef de Centre; B. P. 318; F-97400 SAINT DENIS

RODRIGUES

ROD / see Mauritius / 61988 / FIMR / 26B12

ROMANIA

ROU / YO-YR / 15000-15499 / LR / 81G5

AIR Departamentul Aviatiei Civile; Aeroportul Bucuresti/Otopeni; R- BUCHAREST
 ALC TAROM; Otopeni Airport; R- BUCHAREST
 MAR Constanta Radio; Directia Navigatiei Maritime; "NAVRO M"; R- CONSTANTA
 MET Ministere de l'Agriculture et de la Sylviculture; Institut de Meteorologie et d'Hydrologie; Service des Transmissions; Sos. Bucuresti-Ploiesti 97; R- BUCHAREST 18
 PRS Agentia Romina de Presa; Piata Sceleitei 1; R- BUCHAREST
 PTT Ministere des Transports et Telecommunications; Office des Relations Internationales; Boulevardul Dinicu Golescu 38; R-77113 BUCHAREST

RWANDA

RWW / 9X / 64380-64389 / HR / 93A8

AIR Ministere des Postes et des Communications; Direction Generale de l'Aeronautique; Le Chef des Services Techniques; B. P. 720; KIGALI

SAINT CHRISTOPHER AND NEVIS

SCN / V4 / 78850-78859 / MKPK MKPN / 116o3

AIR Ministry of Communications and Works; P. O. Box 186; BASSETERRE

SAINT HELENA

SHN / see United Kingdom / 61901 / FH / 96B14

MAR (Jamestown R via C+W Jamestown)
 MET (Jamestown Meteo via Bracknell Meteo, United Kingdom)
 PTT Cable and Wireless PLC; "The Briars"; JAMESTOWN

COUNTRY AND ADDRESS LIST 30

SAINT LUCIA LCA / J6 / 78945-78949 / MKPC MKPL / 11608

AIR Civil Aviation Department; P. O. Box 651; Vigie Airport; CASTRIES
 ALC Saint Lucia Airways Ltd.; P. O. Box 53; CASTRIES

SAINT-PIERRE AND MIQUELON SPM / see France / 71804-71806 / CF / 98P7

AIR Service de l'Aviation Civile; Boulevard de Port-en-Bessin; B.P. 4265; F-97500 SAINT-PIERRE
 FF (FF Saint-Pierre via FN Paris, France)
 MAR (Saint-Pierre R via DGT Saint-Pierre)
 PTT Centre des Telecommunications; B. P. 4241; F-97500 SAINT-PIERRE

SAINT VINCENT AND THE GRENADINES VCT / J8 / 78950-78953 / MKSV / 11608

SAMOA (AMERICAN) SMA / see United States of America / 91765 / NST / 122D1

MAR Government of American Samoa; Direction of Communications; Coastal Station Pago Pago Radio KUQ; PAGO PAGO 96799

SAMOA (WESTERN) SMO / 5W / 91759-91762 / NSA-NSM / 122A2

AIR Prime Minister's Department; Western Samoa Airport Authority; Chief Air Traffic Controller; Private Bag; Faleolo International Airport; APIA
 MAR (Apia R via GPO Apia)
 PTT Posts and Telecommunications Department; General Post Office; APIA

SAN MARINO SMR / T7 9A / - / - / 78M7

SAO TOME AND PRINCIPE STP / S9 / 61931-61934 / FP / 91A12

AIR Direccao da Aviacao Civil; C. P. 97; SAO TOME
 MAR (Sao Tome R via ENATEL Sao Tome)
 PTT Empresa Nacional de Telecomunicacoes; C. P. 141; SAO TOME

SAUDI ARABIA ARS / HZ 7Z 8Z / 40350-40549 41000-41149 / OE / 33

AIR Air Traffic Services Directorate; P. O. Box 929; JEDDAH 21421
 ALC Saudi Arabian Airlines; P. O. Box 620; JEDDAH
 MAR (ARAMCO Ras Tanura R =) Arabian American Oil Company; Supervisor Radio and Marine Operations; Building 840; P. O. Box 96; DHAHRAN
 MAR GENTEC; Haji Abdullah Alireza & Co. Ltd.; General Technical Division; Coast Radio Station; Station Manager; P. O. Box 8; DAMMAM 31411
 MAR Jeddah Radio; Station Manager; P. O. Box 1531; JEDDAH 21411
 MET Ministry of Defense and Aviation; Meteorological and Environmental Protection Administration; Director of Telecommunications; P. O. Box 1358; JEDDAH 21431

SENEGAL SEN / 6V-6W / 61600-61699 / GO / 89B4

AIR Representation de l'ASECNA; B. P. 8131; DAKAR-YOFF
 FF Le Chef des Stations Interarmees des Transmissions de Yeumbeul et Rufisque; B. P. 3024; DAKAR
 MAR Office des Postes et Telecommunications du Senegal; Exploitation des Postes et Telecommunications du Senegal; Station Radiomaritime Dakar-Radio; B. P. 5; THIAROYE par Dakar

COUNTRY AND ADDRESS LIST 31

SEYCHELLES

SEY / S7 / 63980-63999 / FS / 26R11

AIR President's Office; Department of Finance; Directorate of Civil Aviation; International Airport; P. O. Box 181; VICTORIA, Mahe
 ALC Air Seychelles; P. O. Box 386; VICTORIA, Mahe
 MAR (Victoria R via C+W Victoria)
 PTT Cable and Wireless PLC; Francis Rachel Street; P. O. Box 4; VICTORIA, Mahe

SIERRA LEONE

SRL / 9L / 61850-61899 / GF / 89C7

AIR Ministry of Transport and Communications; The Director of Civil Aviation; Ministerial Office Block; George Street; FREETOWN
 MAR (Freetown R via SLECOM Freetown)
 PTT Sierra Leone External Telecommunications Ltd.; P. O. Box 80; FREETOWN

SINGAPORE

SNG / S6 9V / 48680-48799 / WS / 18J3

AIR Civil Aviation Authority of Singapore; Director General of Civil Aviation; Frequency Management Engineer; P.O. Box 1; Changi International Airport; SINGAPORE 9181
 ALC Singapore Airlines Ltd.; Airmail Transit Centre; P.O. Box 501; SINGAPORE 9181
 MAR (Singapore R via TAS Singapore)
 PRS (ANSA Singapore via TAS Singapore)
 PRS (KYODO Singapore via KYODO Tokyo, Japan)
 PTT Telecommunications Authority of Singapore; Regulations & Licensing Department; Comcentre 2nd floor; 31 Exeter Road; SINGAPORE 0923

SOLOMON ISLANDS

SLM / H4 / 91500-91529 / AG / 15K2

AIR Ministry of Posts and Communications; Civil Aviation Division; Honiara/Henderson Airport Manager; G.P.O.; HONIARA
 MAR (Honiara R via SOLTEL Honiara)
 PTT Solomon Islands International Telecommunications Ltd.; P. O. Box 148; HONIARA

SOMALIA

SOM / T5 60 / 63150-63299 / HC / 87J9

AIR Department of Civil Aviation; P. O. Box 310; MUQDISHO
 ALC Somalia Airlines S.p.A.; Via Medina; P. O. Box 726; MUQDISHO

SOUTH AFRICA (REPUBLIC OF)

AFS / ZR-ZU / 68000-68938 / FA / 94F6

AIR Forecast Office; Department van Vervoer; Department of Transport; Weerkan-
 toor; JAN SMUTS AIRPORT 1627
 ALC South African Airways; Springbok Airradio; Flight Operations Control; Assistant Deputy Manager; New Flight Building; Room 500; JAN SMUTS AIRPORT 1627
 MAR Cape Town Radio ZSC; Chiefsuperintendent; Private Bag; MILNERTON 7435
 MAR Durban Radio; 79 Haygarth Road; KLOOF 3600
 MET Department of Environment Affairs; The Weather Bureau; 159 Struben Street; Private Bag X097; PRETORIA 0001
 NAV Cape Naval Radio ZRH; Private Bag; WYNBERG 7824
 TSF National Physical Research Laboratory; Precise Physical Measurements Division; P. O. Box 395; PRETORIA 0001

SPAIN E / AM-AO EA-EH / 08000-08494 60320 60338 / GE LE / 73

AIR Direccion General de Aviacion Civil; Jefe de Telecomunicaciones; Avenida de America 25-8a. planta; E-28002 MADRID
 ALC Aviacio; Maudes 51; Edificio Minister; E-28003 MADRID
 ALC Iberia; 130 Calle Velazquez; E-28006 MADRID
 ALC SPANTAX; Paseo de la Castellana 181; E-28046 MADRID
 FF US Naval Communications Station AOK; LPO Receiver Site; NAVCOMMSTA Box 24; FPO NEW YORK, NY 09540; USA
 MAR (Aranjuez R via PTT Madrid)
 MAR Telefonica; Servicio Maritimo; Avenida de las Cortes Catalanes 786; E-08013 BARCELONA
 MAR (Chipiona R via PTT Madrid)
 MAR (Finisterre R via PTT Madrid)
 MAR Estacion Costera Radiotelefonica; Calle Maria Cristina (Chalet); E- GIJON
 MAR (Machichaco R via PTT Madrid)
 MAR Estacion Costera Radiotelefonica; Can Pastilla; E- PALMA DE MALLORCA
 MAR (Pozuelo del Rey R via PTT Madrid)
 MAR Telefonica; Servicio Maritimo; Estacion Costera Radiotelefonica; Jefe de la Estacion; E- VIGO
 MET Ministerio de Transportes, Turismo y Comunicaciones; Instituto Nacional de Meteorologia; Seccion de Telecomunicacion; Jefe de la Seccion; Ciudad Universitaria; Apartado 285; E-280.. MADRID
 NAV Instituto y Observatorio de Marina; Jefe de la Seccion de Hora; E- SAN FERNANDO (Cadiz)
 NAV Estacion Radiotelegrafica e.n.a.; Arturo Soria 289; E-28016 MADRID
 PTT Telefonica; Servicio Maritimo; Paseo de Recoletos 41 3; E-28004 MADRID

SRI LANKA SLK / 4P-4S / 43400-43499 / VC / 26R6

AIR Colombo Airport (Ratmalana); Department of Civil Aviation; Office of the Chief Signals Officer; Chief Officer; Mt. Lavinia; COLOMBO
 ALC Air Lanka; 14 Sir Baron Jayatilaka Mawatha; P. O. Box 670; COLOMBO 1
 MAR Colombo Radio; 26 Old Waidya Road; DEHIWELA

SUDAN SDN / SSN-ST 6T-6U / 62600-62999 / HS / 84G4

AIR Ministry of Defense; Civil Aviation Department; Office of the Director of Telecommunications; P. O. Box 430; KHARTOUM
 ALC Sudan Airways; P. O. Box 253; KHARTOUM
 PRS Sudan News Agency; Engineering Section; Gumhoria Street; P.O. Box 1506; KHARTOUM

SURINAM SUR / PZ / 81200-81399 / ME / 117A2

AIR Ministry of Transport, Trade and Industry; Department of Civil Aviation; Air Traffic Service; Chief; P. O. Box 1981; Zorg en Hoop; PARAMARIBO SOUTH
 ALC Surinam Airways; P. O. Box 2029; PARAMARIBO
 MAR TELESUR; Telecommunicatiebedrijf Suriname; Chief Coast Station; Gravenstraat 13; P. O. Box 1839; PARAMARIBO

SWAN ISLANDS SWN / S8 / 78501 / MHIC / 116C6

SWAZILAND SWZ / 3DA-3DM / 68396 / FD / 94L6

AIR Ministry of Works, Power and Communications; Civil Aviation Branch; P. O. Box 58; MBABANE

COUNTRY AND ADDRESS LIST 33

SWEDEN

S / SA-SM 7S 8S / 02000-02699 / ES / 49H5

AF (SAF Kristinehamn via) Försvarsmarkten; Upplands Flygflottilj; Mellersta Luftförsvarssektorn; Box 645; S-751 27 UPPSALA
 AIR Telekomisarien Luftfartsverket; S-190 45 STOCKHOLM-ARLANDA
 ALC Scanair; Fack 20083; S-161 20 BROMMA
 ALC Scandinavian Airlines System; Ulvsundavegen 193; S-161 87 BROMMA
 MAR Televerkets Kuststation; Göteborg Radio; S-439 00 ONSALA
 MAR Harnösand Radio; Salsten 10; S-871 00 HARNÖSAND
 MAR Karlskrona Radio; Oerlogsbas Syd; Box 1018; S-371 24 KARLSKRONA
 MAR Televerkets Kuststation; Stockholm Radio; Box 43022; S-100 72 STOCKHOLM 43
 MET Sveriges Meteorologiska och Hydrologiska Institut; Technical Division; Telecommunications Section; Folkborgsvägen 1; Fack; S-601 01 NORRKÖPING
 MFA Utrikesdepartementet; Radioavdelningen; Box 16121; S-103 23 STOCKHOLM 16
 PTT Televerkets Radiostationen; Chief Engineer; Box 43022; S-100 72 STOCKHOLM 43

SWITZERLAND

SUI / HB HE / 06600-06794 / LS / 66

AIR Zürich Airadio; c/o Radio Schweiz AG; Betriebsabteilung Flugsicherung; Postfach; CH-3000 BERNE 14
 ALC Balair AG, Postfach; CH-4002 BASEL
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 IP Kantonspolizei; Postfach 370; CH-8021 ZÜRICH
 MAR Radio-Suisse S.A.; Bern-Radio HEB; Betriebszentrale Bern; Genfergasse; CH-3011 BERNE
 TSF (Nyon TS =) Observatoire Cantonal; CH- NEUCHÂTEL
 UN Office of the United Nations at Geneva; Telecommunications Service; Palais des Nations; CH-1211 GENEVA 10

SYRIA

SYR / YK 6C / 40000-40099 / OS / 34E3

AIR Ministry of Transport; Directorate General of Civil Aviation; Director of Air Traffic Services; 1 Sahet Al-Nejmeh; P. O. Box 6257; DAMASCUS
 ALC Syrianair; Youssef El-Azmeh Square; P. O. Box 417; DAMASCUS
 MAR (Lattakia R via STE Damascus)
 MAR (Tartous R via STE Damascus)
 PTT Syrian Telecommunications Establishment; Directorate of Telecommunications Operation; Department of International Relations; Saadallah Jabiri Street; DAMASCUS

TAIWAN

TAI / see China / see China / RC / 23J7

ALC China Airlines Ltd.; 131 Nanking East Road; 3rd Section; TAIPEI 104
 ALC Far East Air Transport Corporation; FAT Building; 5 Alley 123; Lane 405; Tun Hwa North Road; TAIPEI 105
 MAR Keelung Radio XSX; Maritime Radiotelegraph Station; 321 Jen 1st Road; KEELUNG
 MET Central Weather Bureau; Chief Staff of Telecommunications; 64 Kung Yuan Road; TAIPEI 100
 PRS Central News Agency Incorporated; Communications Department Chief; 137 Nanking East Road, Sec. 2; TAIPEI 104
 TSF Telecommunications Laboratories; Ministry of Communications; P. O. Box 71; CHUNG LI 320

COUNTRY AND ADDRESS LIST 34

TANZANIA

TZA / 5H-5I / 63729-63971 / HT / 91E4

AIR Ministry of Communications and Works; Directorate of Civil Aviation; Senior Communications Officer; P. O. Box 2819; DAR ES SALAAM
 ALC Air Tanzania Corporation; P. O. Box 543; DAR ES SALAAM
 MAR (Zanzibar R via PTT Dar es Salaam)
 PTT Tanzania Posts and Telecommunications Corporation; P. O. Box 9070; DAR-ES-SALAAM

THAILAND

THA / HS / 48300-48599 / VT / 25E5

AIR Aeronautical Radio of Thailand Ltd.; Aeronautical Telecommunication System Engineering Department; Manager; 102 Gnamduplee; Tungmahamek; G. P. O. Box 535; BANGKOK
 ALC Thai Airways Co. Ltd.; 6 Larn Luang Road; 10100 BANGKOK
 ALC Thai Airways International; 89 Vibhavadi Rangsit Super Highway; G. P. O. Box 1075; 10900 BANGKOK
 MAR (Bangkok R via CAT Bangkok)
 MET Ministry of Communications; Meteorological Department; Telecommunications Division; Chief Collection and Dissemination Section; 612 Sukumvit Road; 10110 BANGKOK
 PTT Communications Authority of Thailand; Director of Telecommunication Services Division; New Road; 10501 BANGKOK

TOGO

TGO / 5V / 65350-65399 / DX / 89K8

AIR Representation de l'ASECNA; B. P. 123; LOME
 MAR (Lome R via PTT Lome)
 PTT Ministere de l'Equipement et des Postes et Telecommunications; LOME

TOKELAU ISLANDS

TKL / see New Zealand / 91720-91749 / - / 10S3

TONGA

TON / A3 / 91770-91799 / NFT / 9U14

AIR Ministry of Civil Aviation; Queen Salote Road; P. O. Box 845; NUKU'ALOFA
 MAR (Nuku'alofa R via TTC Nuku'alofa)
 PTT Tonga Telecommunication Commission; P. O. Box 46; NUKU'ALOFA

TRINIDAD AND TOBAGO

TRD / 9Y-9Z / 78960-78974 / MKPP MKPS-MKPT / 116o9

AIR Ministry of Public Utilities and National Transportation; Civil Aviation Division; P. O. Box 552; PORT OF SPAIN
 ALC BWIA International; Administration Building; Piarco International Airport; PORT OF SPAIN
 MAR (North Post R via TEXTEL Port of Spain)
 PTT Trinidad and Tobago External Telecommunications Company Ltd.; Manager Operations; P. O. Box 3; PORT OF SPAIN

TRISTAN DA CUNHA

TRC / see United Kingdom / 68902-68906 / - / 96B16

TUNISIA

TUN / TS 3V / 60700-60799 / DT / 88S4

AIR Centre de la Navigation Aerienne; 2035 TUNIS-CARTHAGE
 ALC Tunis Air; 113 Avenue de la Liberte; TUNIS
 MAR (Tunis R via PTT Tunis)

COUNTRY AND ADDRESS LIST 35

PRS Agence Tunis Afrique Presse; Chef de la Division Technique; 25 Avenue Habib Bourgiba; 1001 TUNIS
 PTT Ministere des Transports et des Communications; Division des Transmissions; Subdivision Radio et Frequences; L'Ingenieur General; 3 bis Rue de l'Angleterre; TUNIS

TURKEY

TUR / TA-TC YM / 17000-17399 / LT / 27B2

AIR Ministry of Communications; Civil Aviation Department; TR- ANKARA
 AIR Meydah Meteoroloji; Istasyounou Müdürlüğü; Havalalani; TR- ISTANBUL
 ALC Türk Hava Yolları; Cumhuriyet Caddesi 199 - 201; Sisli; TR- ISTANBUL
 FF (USAF Adana =) Department of the Air Force; HQ 2006th Information System Group (AFCC); APO NEW YORK, NY 09289-6345; USA
 FF (LORAN Eregli =) USCG Loran Station Kargaburun; Commanding Officer; PK-2; Marmara Ereglisi; TR- CORLU
 FF (USN Izmir =) TUSLOG; 7241 ABG; APO NEW YORK, NY 09224; USA
 MAR (Istanbul R via TGM Istanbul)
 MET Turkish State Meteorological Service; Research and Computer Department; P. O. Box 401; TR- ANKARA
 PRS Anadolou Ajansi; Genel Müdürlük; P. O. Box 450; TR- ANKARA
 PTT TGM Istanbul; Bölge Basmüdürlüğü; Teknik Isler; TR- ISTANBUL

TURKS AND CAICOS ISLANDS

TCA / see United Kingdom / 78118 / MKGT
 MKJT MKM-MKN MKPI MKPV MKSC MKSY / 116H4

AIR Director of Civil Aviation; P. O. Box 168; GRAND TURK

TUVALU

TUV / T2 / 91630-91649 / NGF / 9C8

AIR Ministry of Works and Communication; Vaiaku; FUNAFUTI
 MAR (Funafuti Island R via PTT Funafuti)
 PTT Posts and Telecommunications Division; Vaiaku; FUNAFUTI

UGANDA

UGA / 5X / 63602-63726 / HU / 93C4

AIR Ministry of Transport; Directorate of Civil Aviation; P. O. Box 5536; KAMPALA
 ALC Uganda Airlines Corporation; P. O. Box 5740; KAMPALA

UKRAINIA

UKR / UR-UT / see Union of Soviet Socialist Republics / see Union of Soviet Socialist Republics / 46E5

UNION OF SOVIET SOCIALIST REPUBLICS

URS / EK EM-EO ER-ES EX-EZ LY R UA-UQ
 UU-UZ YL 4J-4L / 20000-39999 / U / 38

AIR Ministry of Civil Aviation; 37 Leningradski Prospekt; SU- MOSCOW A-167
 ALC Aeroflot; Leningradsky Prospekt 37; SU-125167 MOSCOW
 PRS (ANGOP Moscow via ANGOP Luanda, Angola)
 PRS (PL Moscow via PL Habana, Cuba)
 PRS Telegrafnoje Agentstwo Sowjetskojo Sojusa; Main Communications Department; Twerscoij Boulevard 10; SU-103009 MOSCOW
 PTT Ministry of Posts and Telecommunications; International Telecommunications Service; Public Relations Department; 7 Rue Gorki; SU-103375 MOSCOW
 TSF Council of Ministers of the USSR; State Committee of Standards; Chief Foreign Relations Department; 9 Leninsky Prospekt; SU-117049 MOSCOW
 - Arctic and Antarctic Research Institute; Fontanka 34; SU-191104 LENINGRAD

UNITED ARAB EMIRATES

UAE / A6 / 41180-41239 / OM / 33K5

AIR Ministry of Communications; Directorate General of Civil Aviation; P. O. Box 900; ABU DHABI
 ALC Emirates; P. O. Box 686; DUBAI

UNITED KINGDOM

G / G M VP-VS ZB-ZJ ZN-ZO ZQ 2 / 03000-03949 / EG / 54

AF Air Support Command Headquarters; RAF Upavon; UPAVON, Wiltshire
 AF West Drayton Volmet; Room 220; Porters Way; WEST DRAYTON UB7 9AX
 AIR Civil Aviation Authority Headquarters; CAA House; 45-59 Kingsway; LONDON WC2B 6TE
 AIR (Plymouth Rescue =) Southern Rescue Coordination Centre; Mount Wise; Richmond Walk; PLYMOUTH PL1 4JH
 AIR (Shanwick Air =) National Air Traffic Services; Scottish & Oceanic ATC Control Centres; Duty Signals Officer; Atlantic House; Sherwood Road; PRESTWICK KA9 2NR
 ALC Air Europe Ltd.; Europe House; East Park; CRAWLEY RH10 6AS
 ALC Britannia Airways Ltd.; Luton Airport; LUTON LU2 9ND
 ALC British Airtours; Airtours House; Gatwick Airport; HORLEY RH6 0LS
 ALC British Airways; Head Office; SPEEDBIRD London; P311 Technical Block A; P. O. Box 10; Heathrow Airport; HOUNSLOW TW6 2JA
 ALC British Caledonian Airways Ltd.; Caledonian House; Betts Way; CRAWLEY RH10 2XA
 ALC Dan-Air Services Ltd.; Newman House; Victoria Road; HORLEY RH6 7QG
 ALC Monarch Airlines Ltd.; Luton Airport; LUTON LU2 9NU
 ALC Orion Airways Ltd.; East Midlands Airport; CASTLE DONINGTON DE7 2SA
 ALC Virgin Atlantic Airways; Sussex House; 1st Floor; High Street; CRAWLEY RH10 1BZ
 EMB (USE London via MFA Washington, USA)
 US NAVCOMMSTA UK; Lybster Hill; Forss; THURSO KW14 7XZ
 MAR (Cullercoats R =) BT Radio Station; WHITLEY BAY NE26 2PD
 MAR (Gallan Head R via Stonehaven R)
 MAR (Humber R =) BT Radio Station; Trusthorpe; MABLETHORPE LN12 2PH
 MAR Department of Electronics; State's Airport; Officer-in-charge; ST. PETER, Jersey, Channel Islands
 MAR (Land's End R =) BT Radio Station; Officer in Charge; Skewjack, St. Levan; PENZANCE TR19 6NB
 MAR (Niton R =) BT Radio Station; Officer-in-charge; Dean, Whitwell Road; VENT-NOR PO38 2AB
 MAR (North Foreland R =) BTI Radio Station; Station Manager; 96 Rumfield Road; BROADSTAIRS CT10 2PQ
 MAR (Norwick R via Portishead R)
 MAR (Oban R =) BT Radio Station; CONNELL PA37 1QX
 MAR British Telecom International; Portishead Radio Station; Radio Officer; HIGH-BRIDGE TA9 3JY
 MAR BT Radio Station; Portpatrick; STRANRAER DG9 8TG
 MAR BT Radio Station; Station Manager; Dunnottar Mains Farm; STONEHAVEN AB3 2TL
 MAR BT Radio Station; Radio Officer; Post Office; Radio Station House; Newton Road; WICK KW1 5LT
 MET Ministry of Defense; Air Force Department; Bracknell Meteorological Office; Met. 05b; London Road; BRACKNELL RG12 2SZ
 NAV Royal Navy; Operations Office; Communications Centre Whitehall; Chief Radio Supervisor; Old Admiralty Buildings; Spring Gardens; Whitehall; LONDON SW1A 2BE
 NAV (RN Rosyth via RN London)
 PTT British Telecom International; Holborn Center; 120 Holborn; LONDON EC1N 2TE
 PTT Cable and Wireless PLC; Public Relations Office; Group General Manager; Mercury House; 100/124 Theobalds Road; LONDON WC1X 8RX
 TSF Royal Greenwich Observatory; Time Department; Herstmonceux Castle; HAILSHAM BN27 1RP

UNITED NATIONS ORGANIZATION

- / 4U / - / - / -

UNITED STATES OF AMERICA

USA / AA-AL K N W / 72000-
72999 74000-74999 / K / 102

AF United States Air Force Global Aeronautical Station; McDill Air Force Base; Communications Station AFE34; 1928 Communication Group / DONVA; Commanding Officer; TAMPA, FL 33608

AIR Aeronautical Radio Inc.; Area Manager; 5391 N.W. 36th Street; MIAMI SPRINGS, FL 33166

AIR New York International Flight Service Station; Facility Chief; 5 Airway Road; Islip McArthur Airport; RONKONKOMA, NY 11779

AIR Department of Transportation; Federal Aviation Administration; Flight Service Station; Airport Station; P. O. Box 2368; OAKLAND, CA 94614

AIR Federal Aviation Administration; 800 Independence Avenue Southwest; WASHINGTON, DC 20590

ALC Air Atlanta Inc.; International Airport; P. O. Box 20887; ATLANTA, GA 30320

ALC AirCal; P. O. Box Z; NEWPORT BEACH, CA 92660-8913

ALC American Airlines Inc.; P. O. Box 61616; Dallas - Fort Worth Airport; DALLAS, TX 75261

ALC American Trans Air Inc.; P. O. Box 51609; INDIANAPOLIS, IN 46251

ALC America West Airlines Inc.; 222 South Mill Avenue; TEMPE, AZ 85281

ALC Braniff Inc.; 7701 Lemmon Avenue; P. O. Box 7035; DALLAS, TX 75209

ALC Continental Airlines; 2929 Allen Parkway; HOUSTON, TX 77210

ALC Delta Air Lines Inc.; International Airport; ATLANTA, GA 30320

ALC Eastern Air Lines Inc.; International Airport; MIAMI, FL 33148

ALC Frontier Airlines Inc.; 8250 Smith Road; DENVER, CO 80207

ALC Midway Airlines; Midway Airport; CHICAGO, IL 60638

ALC New York Air; Hangar 5; La Guardia Airport Station; FLUSHING, NY 11371

ALC Northwest Orient; International Airport; SAINT PAUL, MN 55111

ALC Ozark Air Lines Inc.; P. O. Box 10007; International Airport; SAINT LOUIS, MO 63145

ALC Pacific Southwest Airlines; P. O. Box 85385; SAN DIEGO, CA 92138-5385

ALC Pan Am; Pan Am Building; 200 Park Avenue; NEW YORK, NY 10166

ALC Peoplexpress; North Terminal; International Airport; NEWARK, NJ 07114

ALC Piedmont Airlines; Smith Reynolds Airport; WINSTON-SALEM, NC 27156

ALC Republic Airlines Inc.; 7500 Airline Drive; MINNEAPOLIS, MN 55450

ALC Southwest Airlines Company; Love Field; P. O. Box 37611; DALLAS, TX 75235

ALC Trans World Airlines; 605 3rd Avenue; NEW YORK, NY 10016

ALC United Airlines Inc.; P. O. Box 66100; CHICAGO, IL 60666

ALC USAir Inc.; Executive Offices; National Airport; WASHINGTON, DC 20001

ALC Western Airlines; P. O. Box 92005; World Way Postal Centre; LOS ANGELES, CA 90009

CG Department of Transports; US Coast Guard Station Boston (NMF); Radioman-in-charge; 1240 South River Street; MARSHFIELD, MA 02050

CG US Coast Guard Radio Station NMN; Pungo Station; Commanding Officer; VIRGINIA BEACH, VA 23456

CG United States Coast Guard Radio Station NMA; Watch Supervisor; 16001 SW 117th Avenue; MIAMI, FL 33177

CG United States Coast Guard Communication Station NMC; Radioman Chief Petty Officer; P. O. Box 560; POINT REYES STATION, CA 94956

MAR Marine Radio Station WMH; Senior Radio Operator; Dundalk Marine Terminal; 2700 Broening Highway; BALTIMORE, MD 21222

MAR Chatham Radio WCC; Manager; P. O. Box 397; NORTH CHATHAM, MA 02650

MAR (Dixon R =) American Telephone and Telegraph Company; Long Lines Department; KMI Receiving Station; P. O. Box 8; INVERNESS, CA 94937

MAR Galveston Radio KLC; Assistant Manager; P. O. Box 115; ARCADIA, TX 77517

MAR Marine Radiotelephone Station WMI; 2307 Leavitt Road; LORAIN, OH 44052

MAR Mobile Marine Radio Inc.; 7700 Rinla Avenue; MOBILE, AL 36619-1199

MAR (Ocean Gate R =) American Telephone and Telegraph Company; Station WOO; Beach Avenue; P. O. Box 550; MANAHAWKIN, NJ 08050

COUNTRY AND ADDRESS LIST 38

MAR (Pennsuco R =) American Telephone and Telegraph Company; Station WOM; 1350 N.W. 40th Avenue; FORT LAUDERDALE, FL 33313

MAR Port Arthur Radio WPA; P. O. Box 1328; PORT ARTHUR, TX 77641

MAR San Francisco Radio / KFS; Station Manager; P. O. Box 56; HALF MOON BAY, CA 94019

MAR (San Francisco Radio / KPH via RCA San Francisco)

MAR Slidell Radio WNU; Tropical Radio Telegraph Company; P.O. Drawer E; PEARL RIVER, LA 70542

MAR Radio Station WPD; Manager; 1330 McKay Street; TAMPA, FL 33602

MAR Tuckerton Radio WSC; Murphy Drive; P. O. Box 386; WEST CREEK, NJ 08092

MET US Department of Commerce; National Oceanic and Atmospheric Administration; National Weather Service; Communications Division; Chief; SILVER SPRING, MD 20910

MFA Department of State; Office of Communications; Radio Telegraph Communications; Room 44 A 20; 21st & C Street, N.W.; WASHINGTON, DC 20520

MIL (USA MARS Washington =) Department of the Army; Headquarters, 7th Signal Command; Director Army CONUS MARS; FORT RITCHIE, MD 21719

NAV (USN Key West via USN Norfolk)

NAV US Naval Communications Station NAM; Communications Officer; NORFOLK, VA 23511

PRS The Associated Press; Communications Department; Technical Center; 16 Elkin Road; EAST BRUNSWICK, NJ 08816

PRS United Press International; General Offices; International Telecommunications Chief; News Building; 220 East 42nd Street; NEW YORK, NY 10017

PTT ITT World Communications Inc.; Manager; Vanderbilt Parkway off Washington Avenue; P. O. Box 6; Brentwood; LONG ISLAND, NY 11717

PTT RCA Communications Inc.; Operations Department; P. O. Box 1027; Rocky Point; LONG ISLAND, NY 11778

PTT RCA Global Communications; 17400 Sir Francis Drake Boulevard; POINT REYES STATION, CA 94956

TSF Station WWV; Engineer-in-charge; Route 2; Box 83-E; FORT COLLINS, CO 80521

URUGUAY

URG / CV-CX / 86300-86599 / SU / 121F4

AIR Direccion General de Aeronautica; Aerupuerto Internacional de Carrasco; CANE-LONES

ALC PLUNA; Colonia 1013, 7; MONTEVIDEO

MAR (Cerrito R via ANTEL Montevideo)

PTT Administracion Nacional de Telecomunicaciones; Departamento de Transmision; Jefe Ingeniero; Fernandez Crespo 1534; Casilla 1477; MONTEVIDEO

VANUATU

VUT / YJ / 91550-91569 / NV / 9A10

AIR Ministry of Transport and Communications; Civil Aviation Department; PORT-VILA

MAR (Port-Vila R via PTT Port-Vila)

PTT Department of Posts and Telecommunications; PORT-VILA

VATICAN CITY STATE

CVA / HV / - / - / 79A5

PTT Governatorato - Secretariat General; Administration des PTT; CITTA DEL VATICANO

VENEZUELA

VEN / YV-YY 4M / 80400-80799 / MV / 119E4

AIR Direccion de Aeronautica Civil; Parque Central; Torre Este, Piso 32; Avenida Lecuna; CARACAS 1010

COUNTRY AND ADDRESS LIST 39

ALC AVENSA; Edificio Banco de la Construcción y de Oriente; Esquina de Platanal; Piso 1-11-15-16; Avenida Urdaneta; CARACAS 101
 ALC VIASA; Torre Viasa; Plaza Morelos; Avenida Sur 25; Los Caobos; CARACAS 105
 MAR Ministerio de Comunicaciones; Dirección de Telecomunicaciones; Estación Costera de Arrecifes; Jefe de Estación; LA GUAYRA
 MET Ministerio de Defensa; Fuerza Aérea; Servicio de Meteorología y Comunicaciones; Section of Meteorological Telecommunications; Edificio "El Prado"; Avenida Bolívar Este 75; MARACAY
 TSF Observatorio Cagigal; Apartado 6745; La Planicie; CARACAS

VIET NAM

VTN / XV 3W / 48000-48919 / VV / 25H3

AIR General Civil Aviation Administration; Directorate General; 25 Tráng Thi; HANOI
 NOI
 ALC Hang Khong Viet Nam; Gialen Airport; HANOI
 PRS Viet-Nam Thong Tan Xa; HANOI
 PTT Direction Generale des Postes et Telecommunications; 18 Rue Nguyen Du; HANOI

VIRGIN ISLANDS (BRITISH)

VRG / T9 / 78550-78559 / MKPJ MKPW / 105L7

VIRGIN ISLANDS (UNITED STATES)

VIR / see United States of America / 78543-78547 / MI / 105L7

MAR (Saint Thomas R via ITT Saint Thomas)
 PTT ITT Communications, Inc.; Charlotte Amalie; P.O. Box 3768; SAINT THOMAS 00801

WAKE ISLAND

WAK / see United States of America / 91245 / PW / 9A6

WALLIS AND FUTUNA ISLANDS

WAL / see France / 91750-91754 / NL / 10R4

WORLD METEOROLOGICAL ORGANIZATION

- / C7 / - / - / -

YEMEN ARAB REPUBLIC

YEM / 4W / 41320-41399 / OY / 33E9

AIR Ministry of Communications; Civil Aviation and Meteorology Authority; International Airport; P. O. Box 1438; SAN'A
 ALC Yemenia; Zubeiry Street; SAN'A
 MAR (Hodeidah R via C+W San'a)
 PTT Cable and Wireless PLC; Gamal Abdul Nasser Street; P. O. Box 168; SAN'A

YEMEN (PEOPLE'S DEMOCRATIC REPUBLIC OF)

YMS / 70 / 41400-41499 / OD / 33H8

AIR Department of Civil Aviation; P. O. Box 424 - Crater; ADEN
 ALC Alyemda; P. O. Box 6006; Alyemda Building; Khormaksar Civil Airport; ADEN
 MAR (Aden R via YEMENDEL Aden)
 PRS (ANA Aden via YEMENDEL Aden)
 PTT Yemen Telecommunications Corporation; Radio Regulatory Division; General Manager; P. O. Box 1256; Tawahi; ADEN

YUGOSLAVIA

YUG / YT-YU YZ 4N-40 / 13000-13599 / LY / 81D6

AIR Savezna uprava za civilnu vazdusnu plovību; Brankova 25/V; Postanski Fah 566; YU-11000 BELGRADE

COUNTRY AND ADDRESS LIST 40

ALC Aviogenex; Djure Djakovica 31; YU-11001 BELGRADE
 ALC Inex Adria Aviopromet; Kuzmiveca 7; P. O. Box 0451-IX; YU-61001 LJUBLJANA
 ALC Jugoslovenski Aerotransport; M. Popovica 9; P. O. Box 749; YU-11000 BELGRADE
 MAR Ustanova za održavanje pomorskih plovni putova; obalna radiostanica Bar; YU-81350 BAR
 MAR Rijeka Radio YUB/YUZ; Obalna Radio Stanica; Chief Engineer; YU-51005 RIJEKA SOPALJ
 MAR Ustanova za održavanje pomorskih plovni putova; obalna radiostanica Split; YU-68000 SPLIT
 MET Savezni Hidrometeoroloski Zavod; Director; Bircaninova 6; P. O. Box 604; YU-11001 BELGRADE
 PRS Telegrafaska Agencija Nova Jugoslavija; Administracija; Obilicev Venac 2; Post. fah 439; YU- BELGRADE

ZAIRE

ZAI / 90-9T / 64000-64379 / FZ / 84G6

AIR Regie des Voies Aeriennes; Direction Generale; Administration Centrale; Direction de l'Infrastructure; Radio Electrique; Le Delege General; Aeroport International de N'Djili; B. P. 6574; KINSHASA-NDOLO
 ALC Air Zaire; 4 Avenue du Port; B. P. 8552; KINSHASA
 MAR Regie des Voies Maritimes; Station Cotiere Banana-Radio; Chef de Station; B. P. 5; BANANA
 PRS Agence Zaire-Presse; Administration Centrale; Cabinet du Delege General; Le Delege General; Avenue Tombalbaye 44-48; B. P. 1595; KINSHASA

ZAMBIA

ZMB / 9I-9J / 67400-67999 / FL / 92B9

AIR Department of Civil Aviation; Director of Civil Aviation; P. O. Box 50137; LUSAKA
 ALC Zambia Airways Corporation Ltd.; P. O. Box 30272; LUSAKA

ZIMBABWE

ZWE / Z2 / 67400-67999 / FV / 92C11

AIR Department of Civil Aviation; Sarum House; 78 Manica Road; Private Bag 7716; HARARE
 ALC Air Zimbabwe Corporation; P. O. Box AP. 1; International Airport; HARARE

XXV. Abbreviations

This list contains both name and traffic abbreviations. The latter are used both in the traffic between radio stations, and in the "details" column of the "Frequency list of utility stations" (chapter III).

For abbreviations used in aeronautical telecommunication please refer to chapter VIII in our AIR AND METEO CODE MANUAL.

For a reverse list giving countries and the corresponding ITU symbols see chapter XXIV.

Contrary to the official allocation, we use throughout our publications

ANT for Antarctic;

CHN for the People's Republic of China;

KMP for Kampuchea;

SLK for Sri Lanka;

TAI for Taiwan (Republic of China);

URS for the Union of Soviet Socialist Republics including Byelorussia and Ukraina.

A	Arabic (see chapter VI paragraph 1 in our RADIOTELETYPE CODE MANUAL)
AA	All after ...
AA	Anadolu Ajansi
AAA	Shared throughout the world
AAB	Shared by several countries, but in a restricted area of the world
AACR	All America Cables and Radio Inc.
AARI	Arctic and Antarctic Research Institute
AASANA	Administracion de Aeropuertos y Servicios Auxiliares a la Navegacion Aerea
AB	All before ...
ABK	Abu al-Bukhoosh
ABT	About
ABW	Aruba
ACT	Australian Capital Territory
ADL	Adelie Land
ADN	Allgemeiner Deutscher Nachrichtendienst
ADS	Address
AF	Audio frequency
AFB	Air Force Base
AFC	Area Forecast Centre
AFG	Afghanistan
AFI	Africa MWARA
AFI	For flights over Africa
AFP	Agence France Presse
AFRTS	Armed Forces Radio and Television Service
AFS	South Africa (Republic of)
AFTN	Aeronautical Fixed Telecommunication Network
AGERPRES	Agentia Romana de Presa
AGL	Angola
AGN	Again
AIA	Anguilla
AIR	Aeronautical Fixed Station
AL	Alabama
ALB	Albania
ALG	Algeria
ALS	Alaska
ALTA	Alberta
AM	Amplitude modulation
AMOCO	American Oil Company
AMS	Aeronautical Mobile Service
AMS	Amsterdam and Saint Paul Islands

ABBREVIATIONS 2

AMTOR	Amateur microprocessor teleprinting over radio according to CCIR 476-4 (see chapter VII in our RADIOTELETYPE CODE MANUAL)
AMVER	Automated mutual-assistance vessel rescue system
AN	Argentine Navy
ANAL	Analysis
AND	Andorra
ANGOP	Agencia Angola Press
ANNS	Announces
ANS	Answer
ANSA	Agenzia Nazionale Stampa Associata
ANT	Antarctic
ANT	Antenna
AP	Associated Press
APA	Austrian Press Agency
APN	Agentstwo Petschati Nowosti
APO	Army or Air Force Post Office
APS	Algerie Presse Service
AR	Arkansas
AR	Armenia
AR	End of transmission (.-.-. TO BE SENT AS ONE SIGNAL)
ARAMCO	Arabian American Oil Company
ARB	ARABSAT international satellite system
ARG	Argentina
ARGOIL	Arab Gulf Oil Co.
ARQ	Duplex ARQ system (synchronous transmission and automatic repetition) according to CCIR 342-3 (see chapter VIII in our RADIOTELETYPE CODE MANUAL)
ARQ-E	Single-channel ARQ system according to WAVECOM (see advertisement at the end of this book, and chapter IX in our RADIOTELETYPE CODE MANUAL)
ARQ-S	Simplex ARQ system according to WAVECOM (see advertisement at the end of this book, and chapter XI in our RADIOTELETYPE CODE MANUAL)
ARS	Saudi Arabia
AS	Waiting period (.-... TO BE SENT AS ONE SIGNAL)
ASC	Ascension
ASECNA	Agence pour la Securite de la Navigation Aerienne en Afrique et a Madagascar
ASETA	CONDOR international satellite system
ATA	Agence Telegraphique Albanaise
ATCC	Agence Telegraphique Centrale de Coree
ATG	Antigua and Barbuda
ATN	Netherlands Antilles
ATU	Arab Telecommunication Union
ATU-A	Arabic ATU alphabet (see chapter VI paragraph 11 in our RADIOTELETYPE CODE MANUAL)
AUS	Australia
AUT	Austria
AZ	Arizona
AZ	Azerbaydzhan
AZAP	Agence Zairoise des Associations de Presse
AZR	Azores
B	Brazil
BA	Belgian or British Army
BAH	Bahamas
BBC	British Broadcasting Corporation
BC	British Columbia
BC	Broadcast
BD	Bad
BD	Baud
BDI	Burundi
BEL	Belgium
BEN	Benin
BER	Bermuda

ABBREVIATIONS 3

BEXTEL	Barbados External Telecommunications Ltd.
BFA	Bourkina Faso
BGD	Bangla Desh
BHR	Bahrain
BIO	British Indian Ocean Territory
BK	Signal used to interrupt a transmission in progress
BKF	Baroclinic model (9 levels, with humidity, grid 254 km)
BKN	Baroclinic model (9 levels, with humidity, grid 127 km)
BLR	Byelorussia
BLZ	Belize
BN	All between ... and ...
BN	Belgian or Brazilian Navy
BOL	Bolivia
BOT	Botswana
BQ	A reply to an RQ
BRB	Barbados
BRM	Burma
BRU	Brunei
BSS	Bangladesh Samsad Sanstha
BT	British Telecom
BT	Signal to mark the separation between different parts of the same transmission (---- TO BE SENT AS ONE SIGNAL)
BTB	Bulgarska Telegrafitscheka Agentzia
BTN	Bhutan
BTR	Better
BTTB	Bangla Desh Telegraph and Telephone Board
BUL	Bulgaria
BY	Byelorussia
C	Yes
CA	California
CAF	Central African Republic
CAN	Canada
CAPWIRE	Capitol Wireless Inc.
CAR	Caribbean MWARA
CAR	Caroline Islands
CAT	Communications Authority of Thailand
CBG	Compagnie Bauxite de Guinee
CCG	Canadian Coast Guard
CCIR	International Radio Consultative Committee
CCITT	International Telegraph and Telephone Consultative Committee
CCT	Circuit
CEP	Central East Pacific MWARA
CETKA	Ceskoslovenska Tiskova Kancelar
CF	Canadian Forces
CFARS	Canadian Forces Affiliated Radio System
CFM	Confirm (OR I confirm)
CH	Channel
CHL	Chile
CHN	China
CHR	Christmas Island
CIRM	Centro Internazionale Radio Medico
CK	Check
CKH	Cook Islands
CL	I am closing my station
CLG	Calling
CLM	Colombia
CLN	Sri Lanka
CLR	Clear
CME	Cameroon
CN	Chilene Navy
CNA	Central News Agency Inc.
CNP	Consorcio Naviero Peruano

ABBREVIATIONS 4

CNR	Canary Islands
CO	Colorado
COG	Congo
COL	Collate (OR I collate)
COM	Comoros
COMB	Combination of telephony and telegraphy audible within a 4 kHz bandwidth (for example B9W) (see chapter IV in our RADIOTELETYPE CODE MANUAL)
COMINOR	Complexe Mineur du Nord
CONACHA	Compania de Navegacion Chavir S.A.
COP	Yright 1987 Klingenfuss Publications Germany
COPE	Cofradia de Pescadores
COR	Correction
CP	Computer product
CP	General call to two or more specified stations
CPRM	Companhia Portuguesa Radio Marconi
CPV	Cape Verde
CPV	Compania Peruana de Vapores
CQ	General call to all stations
CRO	Crozet Archipelago
CS	Call sign
CT	Connecticut
CTA	Cyprus Telecommunications Authority
CTI	Ivory Coast
CTR	Costa Rica
CUB	Cuba
CVA	Vatican City State
CW	Continuous wave (Morse code)
C+W	Cable and Wireless Ltd.
CWP	Central West Pacific MWARA
CYM	Cayman Islands
CYP	Cyprus
D	Germany (Federal Republic of)
DBL	Double
DBP	Deutsche Bundespost
DC	District of Columbia
DCT	Direct
DDD	Used to identify the transmission of the distress message by a station not itself in distress
DDR	German Democratic Republic
DDSG	Erste Donau-Dampfschiffahrts-Gesellschaft
DE	Delaware
DE	From
DF	Your bearing at ... hours was ... degrees, in the doubtful sector of this station, with a possible error of ... degrees
DGT	Direction Generale des Telecommunications
DGTMMM	Direccion General del Territorio Maritima y Marina Mercante
DHI	Deutsches Hydrographisches Institut
DIF	Different
DIPLO	Direction des Services d'Information et de Presse
DJI	Djibouti
DLD	Delivered
DM	Danish Marine
DMA	Dominica
DN	Dutch Navy
DNK	Denmark
DO	Bearing doubtful. Ask for another bearing later (OR at ... hours)
DOM	Dominican Republic
DP	Deutsche Post
DPA	Deutsche Presse-Agentur
DR	Dear
DSB	Double sideband

DSC	Digital Selective Calling
DSC T	Direccao dos Servicos de Correios e Telecomunicacoes
DTG	Date-time group
DTS	Droit de tirage special
DUPE	This is a duplicate message
DW	Deutsche Welle
DWT	Deadweight tonnage
DyN	Diarios y Noticias
E	East
E	Embassy
E	English
E	Spain
EA	East Asia MWARA
EAETC	East African External Telecommunications Company Ltd.
ECMWF	European Centre for Medium-Range Weather Forecasts
E E E	Error signal
EGY	Egypt
EHF	Extreme high frequency
EI	Ecological Institute
EL	Element
EMBRATEL	Empresa Brasileira de Telecomunicacoes
EMIRTEL	Emirates Telecommunications Corporation Ltd.
EN	Egyptian or Equadorian Navy
ENATEL	Empresa Nacional de Telecomunicacoes
ENCOTEL	Empresa Nacional de Correos y Telegrafos
ENPA	Empresa Nacional de Petroleos de Aragon, S.A.
ENTEL	Empresa Nacional de Telecomunicaciones
EPD	Evangelischer Pressedienst
EQA	Ecuador
ER	Here ...
ERP	Effective radiated power
ES	And
ES	Estonia
ETA	Estimated time of arrival
ETA	Ethiopian Telecommunications Authority
ETAL	Empresa Telecomunicaciones Australes Ltda.
ETH	Ethiopia
ETPI	Eastern Telecommunications Philippines Inc.
EUCAR	For flights to the Caribbean area
EUR	Europe MWARA
EUR	For flights within the European-Mediterranean region
EURSAM	For flights to South America
EUT	EUTELSAT international satellite system
EX	Formerly
F	Fisheries
F	France
F	French
FA	French Army
FAF	French Air Force
FAX	Facsimile
FCR	Compagnie Francaise des Cables Sous-Marins et de Radio
FCST	Forecast
FE	Russia (Far East E of 140° E)
FEC	Forward error correction
FEC-A	One-way traffic FEC system according to WAVECOM (see advertisement at the end of this book, and chapter X in our RADIOTELETYPE CODE MANUAL)
FEC-S	Simplex FEC system according to WAVECOM (see advertisement at the end of this book, and chapter XI in our RADIOTELETYPE CODE MANUAL)
FF	French Forces
FIG	Figure(s)
FITEL	Fiji International Telecommunications Ltd.
FJI	Fiji

ABBREVIATIONS 6

FL	Flight level
FL	Florida
FLD	Field
FLK	Falkland Islands (Malvinas) and Dependencies
FM	Frequency modulation
FM	From
FMC	French Missile Centre
FN	French Navy
FNL	Finland
FOXES	Test slip like "the quick brown fox jumps over the lazy dog's back 1234567890 de aden testing to moscow zok zhc"
FPO	Fleet Post Office
FRG	Federal Republic of Germany
FSK	Frequency-shift keying
FSP	Flatbed Scanning Product
FWC	Fleet Weather Centre
FYI	For your information
G	German
G	United Kingdom
GA	Georgia
GA	German Army
GA	You may transmit
GAB	Gabon
GAF	German Air Force
GCA	Territories of the United Kingdom in Region 1
GCB	Territories of the United Kingdom in Region 2
GCC	Territories of the United Kingdom in Region 3
GD	Good
GDL	Guadeloupe and Dependencies
GDR	German Democratic Republic
GE	Georgia
GEO	GEOS international satellite system
GHA	Ghana
GIB	Gibraltar
GMB	Gambia
GMT	Greenwich Mean Time
GN	German or Greek Navy
GNA	Gulf News Agency
GNB	Guinea-Bissau
GNE	Equatorial Guinea
GP	Group
GPO	General Post Office
GRC	Greece
GRD	Grenada
GRL	Greenland
GRT	Gross register tonnage
GTC	Government Telecommunication Centre
GTM	Guatemala
GTS	Global Telecommunication System
GTZ	Deutsche Gesellschaft für Technische Zusammenarbeit
GUF	Guiana (French Department of)
GUI	Guinea
GULPECO	Gulf Petroleum Company
GUM	Guam
GUY	Guyana
GUYTELCO	Guyana Telecommunication Corporation
HAB	Hamburger Abendblatt
HCG	Hellenic Coast Guard
HDG	Heading
HF	High frequency
HI	Laughter
HIP	HIPPARCOS international satellite system

HKG	Hong Kong
HND	Honduras
HNG	Hungary
HOL	Netherlands
HPA	Hectopascal
HQ	Headquarters
HR	Hour
HRS	Hours
HTI	Haiti
HW	How
HWA	Hawaii
HWL	Howland Island
HX	Harmonic emission of
I	Italian
I	Italy
IA	Iowa
IA	Italian Army
IAF	Italian Air Force
IAG	Institute of Applied Geophysics
ICAO	International Civil Aviation Organization
ICG	Italian Coast Guard
ICO	Cocos (Keeling) Islands
ICRC	International Committee of the Red Cross
ID	Idaho
ID	Identification
IFB	Recordings in the Master Register which do not result from a notification, which are entered by the International Frequency Registration Board
IFG	Italian Finance Guard
IFL	International Frequency List
IFRB	International Frequency Registration Board
IINA	International Islamic News Agency
IK	INTERSPOUTNIK international satellite system
IL	Illinois
IMI	Interrogation sign (...--.. TO BE SENT AS ONE SIGNAL)
IN	Indian or Indonesian or Irish or Israel or Italian Navy
IN	Indiana
INA	Iraqi News Agency
IND	India
INF	Information
INM	INMARSAT international satellite system
INMARSAT	International Maritime Satellite System
INO	Indian Ocean MWARA
INS	Indonesia
INT	Interrogation sign
INTEL	Instituto Nacional de Telecomunicaciones
INTERPOL	Organisation Internationale de la Police Criminelle
IOC	Index of cooperation
IOEPC	Iranian Oil Exploration and Producing Company
IORC	Iranian Oil Refining Company Ltd.
IR	Infrared
IRL	Ireland
IRN	Iran
IRNA	Islamic Republic News Agency
IRPT	I repeat
IRQ	Iraq
ISB	Independent sidebands audible within a 4 kHz bandwidth
ISD	Inverted scanning direction
ISL	Iceland
ISR	Israel
IT	INTELSAT international satellite system
ITA	International Telegraph Alphabet

ABBREVIATIONS 8

ITALCABLE	Servizi Cablografici, Radiotelegrafici e Radioelettrici
ITP	The punctuation counts
ITT	International Telephone and Telegraph Co.
ITTCHL	International Telephone and Telegraph Comunicaciones Mundiales S. A. Chile
ITU	International Telecommunication Union
J	Japan
JANA	Jamahiriyah News Agency
JAR	Jarvis Island
JCG	Jamaican Coast Guard
JIIJI	Jiji Tsushin Sha
JMC	Jamaica
JON	Johnston Island
JOR	Jordan
JPS	Japanese Press Service
K	Invitation to transmit
KA	Kazakhstan
KA	Starting signal (-.-.- TO BE SENT AS ONE SIGNAL)
KC	Kilocycles
KCNA	Korean Central News Agency
KDD	Kokusai Denshin Denwa Co. Ltd.
KEN	Kenya
KER	Kerguelen Islands
KHZ	Kilohertz
KI	Kirgiziya
KIR	Kiribati
KMH	Kilometers per hour
KMP	Kampuchea
KNA	Katholische Nachrichtenagentur
KOR	Korea (Republic of)
KPL	Khaosan Pathet Lao
KRE	Korea (Democratic People's Republic of)
KTS	Nautical miles per hour (KNOTS)
KUNA	Kuwait News Agency
KUP	Kwacha Unita Press
KWT	Kuwait
KY	Kentucky
KYODO	Kyodo Tsushin
LA	Latvia
LA	Louisiana
LAB	Labrador
LAO	Laos
LBN	Lebanon
LBR	Liberia
LBY	Libya
LCA	Saint Lucia
LF	Low frequency
LFM	Limited-area fine mesh
LI	Lithuania
LIE	Liechtenstein
LKA	Landeskriminalamt
LL	Landline
LN	Lebanese Navy
LOAN	Long Range Navigation System
LPS	London Press Service
LR	The last message received by me was ...
LS	The last message sent by me was ...
LSB	Lower sideband
LSO	Lesotho
LST	L-SAT international satellite system
LTR	Letter(s)
LUX	Luxembourg

LVV	Luis Valdez Villacorta
LW	Long wave
MA	Massachussetts
MAC	Macao
MAN	Manitoba
MAP	Maghreb Arabe Presse
MAR	Maritime
MARS	Military Affiliated Radio System
MARSUR	P.E.E.A. Marsur S.R. Ltda.
MAU	Mauritius
MB	Millibar
MC	Megacycles
MC	Multiple copy
MCO	Monaco
MD	Maryland
MDG	Madagascar
MDR	Madeira
MDW	Midway Islands
ME	Maine
MEA	Ministry of External Affairs
MENA	Middle East News Agency
MET	METEOSAT international satellite system
METEO	Fixed Station used for the transmission of meteorological information
MEX	Mexico
MF	Medium frequency
MFA	Ministry of Foreign Affairs
MHZ	Megahertz
MI	Michigan
MID	For flights over Europe, the Middle East and India
MID	Middle East MWARA
MIL	Military
MIN	Minute (OR Minutes)
MINERVA	P.E.E.A. Minerva S.R. Ltda.
MIS	Missing
MK	Mark
MLA	Malaysia
MLD	Maldives
MLD	Mixed layer depth
MLI	Mali
MLT	Malta
MM	Melody mirror
MMM	Frequency assignment for inter-ship communications
MMS	Maritime Mobile Service
MN	Mexican or Mozambique Navy
MN	Minnesota
MNG	Mongolia
MO	Missouri
MO	Moldavia
MOD	Ministry of Defense
MOD	Modulation
MOI	Ministry of Interior
MONTSAME	Mongolian Telegraphic Agency
MOZ	Mozambique
MPH	Statute miles per hour
MRA	Mariana Islands
MRC	Morocco
MRCC	Maritime Rescue Coordination Centre
MRL	Marshall Islands
MRN	Marion Island
MRS	MARECS international satellite system
MRT	Martinique
MS	Mississippi

MSA	Maritime Safety Agency
MSG	Message
MSL	Mean sea level
MSR	Misrouted
MSR	Montserrat
MSV	Manned Space Vehicle
MT	Montana
MTI	Magyar Tavorati Iroda
MTN	Mauritania
MUX	Multiplex
MW	Medium wave
MWARA	Major World Air Route Area (see map 1)
MWI	Malawi
MWM	Worldwide
MX	Music
MYT	Mayotte Island
N	North
N	Norwegian
NA	Norwegian Army
NA	Noticias Argentinas
NAB	News Agency of Burma
NAT	For flights over the North Atlantic
NAT	North Atlantic MWARA
NATO	North Atlantic Treaty Organization
NB	New Brunswick
NBDPT	Narrow-Band Direct-Printing Telegraphy
NBFM	Narrow-band frequency modulation
NC	North Carolina
NCA	North Central Asia MWARA
NCG	Nicaragua
NCL	New Caledonia and Dependencies
ND	Non-directional
ND	North Dakota
NE	Nebraska
NEOC	Naval Eastern Oceanography Center
NFLD	Newfoundland
NGR	Niger
NH	New Hampshire
NI	Norfolk Island
NIG	Nigeria
NIL	I have nothing to send to you
NITEL	Nigerian Telecommunications Ltd.
NIU	Niue Island
NJ	New Jersey
NM	New Mexico
NMB	Namibia
NMC	National Meteorological Center
NN	Norwegian Navy
NO	No
NOAA	National Oceanic and Atmospheric Administration
NOGAPS	Naval Oceanographic Global Atmospherics Prediction System
NOR	Norway
NORAPS	Naval Oceanographic Regional Atmospherics Prediction System
NOT	NOTELSAT international satellite system
NOTE	Copyright 1987 Klingenfuss Publications D-7400
NP	North Tuebingen Fed. Rep. of Germany Pacific MWARA
NPL	Nepal
NR	Near
NR	Number
NRU	Nauru
NS	Nova Scotia
NSW	New South Wales

NT	Northern Territory
NTA	Norwegian Telecommunications Administration
NV	Nevada
NW	Now
NWS	National Weather Service
NWT	North West Territories
NX	News (OR notices)
NY	New York
NZL	New Zealand
OBS	Observations
OCE	French Polynesia
OGERO	Organisme de Gestion et d'Exploitation des installations et des equipements de l'ex-societe Radio Orient
OH	Ohio
OK	Oklahoma
OK	We agree (OR It is correct)
OL	Ocean letter
OM	Old man
OMA	Oman
OMT	Office Monegasque des Telephones
ONC	Stations of the "United Nations Military Observer Group in India and Pakistan"
ONJ	Stations of the "United Nations Truce Supervision Organization in areas between the Armistice Demarcation Lines at Jerusalem"
ONPT	Office National des Postes et Telecommunications
ONT	Ontario
OP	Operator
OR	Oregon
(OR)	Communications concerning flights other than those along national or international civil air routes
ORB	Transmitting space station is on board a geostationary satellite
OTC	Overseas Telecommunications Co.
OTIC	Office des Telecommunications Internationales du Congo
OTS	OTS international satellite system
OTS	Overseas Telecommunications Service
OWS	Ocean Weather Ship
P	Portuguese
P	Prefix indicating a private radiotelegram
PA	Pennsylvania
PAF	Portuguese Air Force
PAK	Pakistan
PANA	Pan African News Agency
PAP	Polska Agencja Prasowa
PAQ	Easter Island
PBL	Preamble
PDH	Pesquera Davanzo e Hijos S.A.
PEI	Prince Edward Island
PELPER	Petroleos del Peru
PEM	Primitive equation model
PEMEX	Petroleos Mexicanos
PEP	Peak envelope power
PERTAMINA	Indonesian National Petroleum Company
PESROD	P.E.E.A. Pesquera Rodriguez S.C.R. Ltda.
PETRA	Jordan News Agency
PHILCOM	Philippine Global Communications Inc.
PHL	Philippines
PHX	Phoenix Islands
PIAB	Presse- und Informationsamt der Bundesregierung
PIL	P.E.E.A. Ilo S.R. Ltda.
PIX	Press photograph
PL	Prensa Latina
PLM	Palmyra Island

PLO	Palestine Liberation Organization
PLS	Please
PM	Pulse modulation
PN	Pakistan or Peruvian or Portuguese Navy
PNG	Papua New Guinea
PNN	Prefectura Nacional Naval
PNR	Panama
POL	Poland
POR	Portugal
POS	Position
PQ	Province Quebec
PRG	Paraguay
PROG	Prognosis
PRU	Peru
PSE	Please
PT	Part
PTC	Pitcairn Island
PTI	Press Trust of India
PTP	Point-to-point
PTR	Puerto Rico
PTT	Post, Telegraph and Telephone Administration
QAT	Qatar
QLD	Queensland
R	Radio (coastal station)
R	Received
R	Russian (see chapter VI paragraph 2 in our RADIOTELETYPE CODE MANUAL)
(R)	Communications concerning flights along national or international civil air routes
RAAF	Royal Australian Air Force
RAF	Royal Air Force
RAFC	Regional Area Forecast Centre
RAN	Royal Australian Navy
RCA	Radio Corporation of America Global Communications Inc.
RCAC	Radio Corporation of America Communications Inc.
RCAF	Royal Canadian Air Force
RCC	Rescue Coordination Centre
RDARA	Regional and Domestic Air Route Area (see map 2)
RE	Concerning
REF	Reference to ... (OR Refer to ...)
REFPA	Refineria de Panama, S.A.
REG1	Region 1
REG2	Region 2
REG3	Region 3
REU	Reunion and Dependencies
REUTER	Reuters Ltd.
RF	Radio frequency
RFE	Radio Free Europe
RI	Rhode Island
RMC	Regional Meteorological Centre
RN	Royal Navy
RNZN	Royal New Zealand Navy
ROD	Rodrigues
ROU	Romania
RPFR	Reperforator
RPM	Rotations per minute
RPT	Repeat (OR I repeat) (OR Repeat ...)
RQ	Indication of a request
RR	Radio Regulation
RRL	Radio Research Laboratories
RRW	Rwanda
RTT	Regie des Telegraphes et des Telephones
RTTY	Radioteletype

ABBREVIATIONS 13

RU	Russia (W of 60° E)
RX	Receiver
RY	Test slip like "qra de tad tad tad ryrnyrynryrnryrnryrnryrnryrnryrnryrnryrnryrnryrnry"
RYI	Test slip like "test de mua ryiryirynryirynryirynryirynryirynryirynryiri"
S	South
S	Spanish
S	Sweden
SA	South Australia
SA	Spanish Army
SA/AAMC	Soviet Arctic/Antarctic Meteo Centre
SAAM	Soviet Antarctic Meteo
SABP	Service Algerien des Phares et Balises
SABS	Saudi Arabian Broadcasting Service
SAF	Spanish or Swedish Air Force
SAM	South America MWARA
SAM	Soviet Arctic Meteo
SAN	South African Navy
SANA	Syrian Arab News Agency
SAR	Search and Rescue
SASK	Saskatchewan
SAT	South Atlantic MWARA
SC	Serbo-Croat
SC	South Carolina
SCN	Saint Christopher and Nevis
SCOT	Syrian Company for Oil Transport
SCOTC	Syrian Crude Oil Transportation Company
SD	South Dakota
SDN	Sudan
SE	Russia (Eastern Siberia 100° E - 140° E)
SEA	South East Asia MWARA
SEN	Senegal
SEY	Seychelles
SFC	Surface
SHELL	Shell Brunei Petroleum Company
SHF	Super high frequency
SHN	Saint Helena
SID	Sport-Informationsdienst
SIG	Signature
SIGWX	Significant weather
SITOR	Simplex teleprinting over radio according to CCIR 476-4 (see chapter VII in our RADIOTELETYPE CODE MANUAL)
SITOR-A	Simplex teleprinting over radio according to CCIR 476-4, mode A (ARQ)
SITOR-A	Simplex teleprinting over radio according to CCIR 476-4, mode B (FEC)
SLECOM	Sierra Leone External Telecommunications Ltd.
SLK	Sri Lanka
SLM	Solomon Islands
SLT	Radiomaritime letter
SLV	El Salvador
SMA	Samoa (American)
SMO	Samoa (Western)
SMR	San Marino
SN	Soviet or Spanish Navy
SNG	Singapore
SNIM	Societe Nationale Industrielle et Miniere
SOCATI	Societe Centrafricaine des Telecommunications Internationales
SOLTEL	Solomon Islands International Telecommunications Ltd.
SOM	Somalia
SOS	Distress signal (...---... TO BE SENT AS ONE SIGNAL)
SP	South Pacific MWARA
SP	Space
SP	Spurious emission of

SPA	Transmitting space station is on a board a non-geostationary satellite
SPK	Sapordamean Phnom Penh Kampuchea
SPM	Saint-Pierre and Miquelon
SRI	Sorry
SRL	Sierra Leone
SS	Indicator preceding the name of a ship station
SSB	Single sideband
STA	Swedish Telecommunications Administration
STE	Syrian Telecommunications Establishment
STIM	Societe des Telecommunications Internationales du Mali
STIT	Societe des Telecommunications Internationales du Tchad
STP	Sao Tome and Principe
SUDEPE	Superintendencia para o Desenvolvimento da Pesca
SUI	Switzerland
SUNA	Sudan News Agency
SUR	Surinam
SVC	Prefix indicating a service telegram
SW	Russia (Western Siberia 60° E - 100° E)
SW	Shortwave
SWL	Shortwave listener
SWN	Swan Islands
SWZ	Swaziland
SYR	Syria
SYS	Refer to your service telegram
TA	Tadzhikistan
TAG	Turkish Assistance Group
TAI	Taiwan
TANJUG	Telegrafska Agencija Nova Jugoslavija
TAP	Tunis Afrique Presse
TAS	Tasmania
TAS	Telecommunications Authority of Singapore
TASA	Telecomunicacoes Aeronauticas S.A.
TASS	Telegrafnoje Agentstwo Sowjetskogo Sojusa
TBL	Trouble
TC	Transradio Chilena
TCA	Turks and Caicos Islands
TCD	Chad
TCH	Czechoslovakia
TELAM	Telenoticiosa Americana
TELEMALTA	Malta Telecommunications Corporation
TELESENEGAL	Societe des Telecommunications Internationales du Senegal
TEXCOM	Telecomunicaciones Internacionales
TFC	Traffic
TGM	Telsiz Genel Müdürlüğü
TGO	Togo
THA	Thailand
TIG	Telecommunications Internationales Gabonaises
TKL	Tokelau Islands
TMP	East Timor
TMW	Tomorrow
TN	Tennessee
TN	Turkish Navy
TOC	Trinidad Oil Company
TON	Tonga
TR	Used by a land station to request the position and next port of call of a mobile station; used also as a prefix to the reply
TRC	Tristan da Cunha
TRD	Trinidad and Tobago
TRT	Tropical Radio Telegraph Corporation
TS	Time Signals and/or Standard Frequency Station
TTC	Tonga Telecommunication Commission
TTS	Telex and/or traffic to ships

TTT	This group when sent three times constitutes the safety signal
TTY	Teletype
TU	Thank you
TU	Turkmeniya
TULSA	Tuna Latin, S.A.
TUN	Tunisia
TUR	Turkey
TURBAN	T.C. Turizm Bankasi A.S.
TUV	Tuvalu
TV	Television
TWX	TWX Network
TX	Texas
TX	Transmitter
TXT	Text
TZA	Tanzania
UAE	United Arab Emirates
UGA	Uganda
UHF	Ultra high frequency
UK	Ukraine
UKR	Ukraine
UN	Uruguayan Navy
UNECA	United Nations Economic Commission for Africa
UNEP	United Nations Environment Programme
UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific
UNF	United Nations Forces
UNFICYP	United Nations Peace Force in Cyprus
UNID	Unidentified
UNIFIL	United Nations Interim Forces in Lebanon
UNO	United Nations Organization
UPI	United Press International
UR	Your
URG	Uruguay
URS	Union of Soviet Socialist Republics
USA	United States Army
USA	United States of America
USAF	United States Air Force
USB	Upper sideband
USCG	United States Coast Guard
USE	United States Embassy
USIA	United States Information Agency
USLRC	United States Liberia Radio Corporation
USN	United States Navy
UT	Universal Time
UT	Utah
UTC	Coordinated Universal Time
UZ	Uzbekistan
V	Vietnamese
VA	End of work (...-- TO BE SENT AS ONE SIGNAL)
VA	Virginia
VAFI	Africa VOLMET Area
VCAR	Caribbean VOLMET Area
VCT	Saint Vincent and the Grenadines
VDC	Video display converter
VEN	Venezuela
VEUR	Europe VOLMET Area
VFT	Voice-frequency telegraphy (for example J7B) (see chapter IV in our RA-DIOTELETYPE CODE MANUAL)
VIC	Victoria
VICMARSA	Victoria del Mar S.A.
VIR	Virgin Islands (United States)
VIS	Visual
VLF	Very low frequency

VM	Voice mirror
VMID	Middle East VOLMET Area
VNA	Viet Nam News Agency
VNAT	North Atlantic VOLMET Area
VNCA	North Central Asia VOLMET Area
VoA	Voice of America
VOLMET	Meteorological information for aircraft in flight
VPAC	Pacific VOLMET Area
VRG	Virgin Islands (British)
VSAM	South America VOLMET Area
VSEA	South East Asia VOLMET Area
VT	Validity time
VT	Vermont
VTN	Viet Nam
VUT	Vanuatu
VVV...VVV	Marking or test transmission
VWD	Vereinigte Wirtschaftsdienste
VY	Very
W	West
W I	World-Wide Allotment Area I (comprises RDARAs 1, 2 and 3)
W II	World-Wide Allotment Area II (comprises RDARAs 10, 11, 12A - 12D)
W III	World-Wide Allotment Area III (comprises RDARAs 6, 8, 9 and 14)
W IV	World-Wide Allotment Area IV (comprises RDARAs 12E to 12J and 13)
W V	World-Wide Allotment Area V (comprises RDARAs 4, 5 and 7)
WA	Washington
WA	West Australia
WA	Word after ...
WAK	Wake Island
WAL	Wallis and Futuna Islands
WB	Word before ...
WCA	With Cyrillic alphabet
WD	Word(s) OR Group(s)
WEFAX	Weather facsimile
WI	Wisconsin
WLA	With Latin alphabet
WMC	World Meteorological Centre
WMO	World Meteorological Organization
WPM	Words per minute
WTG	Waiting
WTSCA	With third-shift Cyrillic alphabet (see chapter VI paragraph 5 in our RADIOTELETYPE CODE MANUAL)
WUI	Western Union International Inc.
WUI CARIB	Western Union International Caribbean Inc.
WV	West Virginia
WWW	World Weather Watch
WX	Weather
WY	Wyoming
XINHUA	New China News Agency
XQ	Prefix used to indicate an operating communication in the fixed service
XXX	This group when sent three times constitutes the urgency signal
YEM	Yemen Arab Republic
YEMENTEL	Yemen Telecommunications Corporation
YES	Yes
YMS	Yemen (People's Democratic Republic of)
YONHAP	Hapdong News Agency
YPF	Yacimientos Petroliferos Fiscales
YR	Year
YR	Your
YT	Yukon Territory
YUG	Yugoslavia
YZ	The words which follow are in plain language
Z	Coordinated Universal Time

ABBREVIATIONS 17

ZAI	Zaire
ZMB	Zambia
ZWE	Zimbabwe
\$	Schedule see chapter XI
5fgs	5-figure groups
5lgs	5-letter groups
73	Best wishes
(1187)	Month and year of last reception of unidentified stations
//	In parallel to

General disclaimer

The country designations used in this manual are those employed by UNO and its specialized agencies ICAO, ITU, WMO etc. They have solely a geographical significance and do not imply the expression of any political opinion whatsoever on the part of Klingenfuss Publications concerning the legal status or the sovereignty of any state, territory, area or city or of its authorities, or concerning the delimitation of its frontiers or boundaries.



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The 869 will also decode NAVTEX messages providing weather forecasts, gale warnings, marine navigational warnings, ice reports and search and rescue information. Radioteletype (RTTY) transmissions give coded weather reports (SYNOP, AIREP, SHIP etc) and press agency broadcasts.

All this is printed out on cheap, ordinary paper with black ink that does not fade. There are no problems with chemicals, smells or low resolution video displays that can only show one chart at a time.

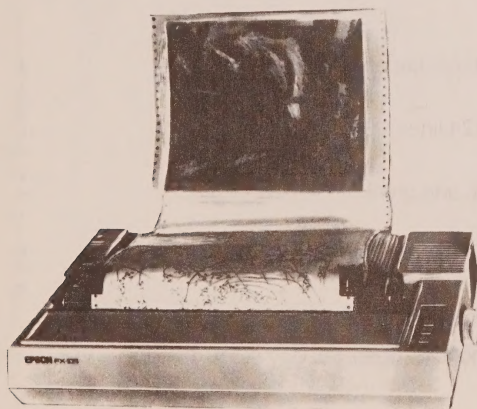
Yet more information can be obtained by listening to voice and morse broadcasts using the general coverage receiver. VOLMET and RAF transmissions will give current data on airfield conditions. If all else fails, the local music station can be monitored for the weather forecast.

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- * Time and date of reception printed on each chart
- * System can be run on 12 or 24V DC for portable operation



A typical W-FAX 869 system with Epson FX-105 printer, decoder unit and Trio R2000 general coverage receiver



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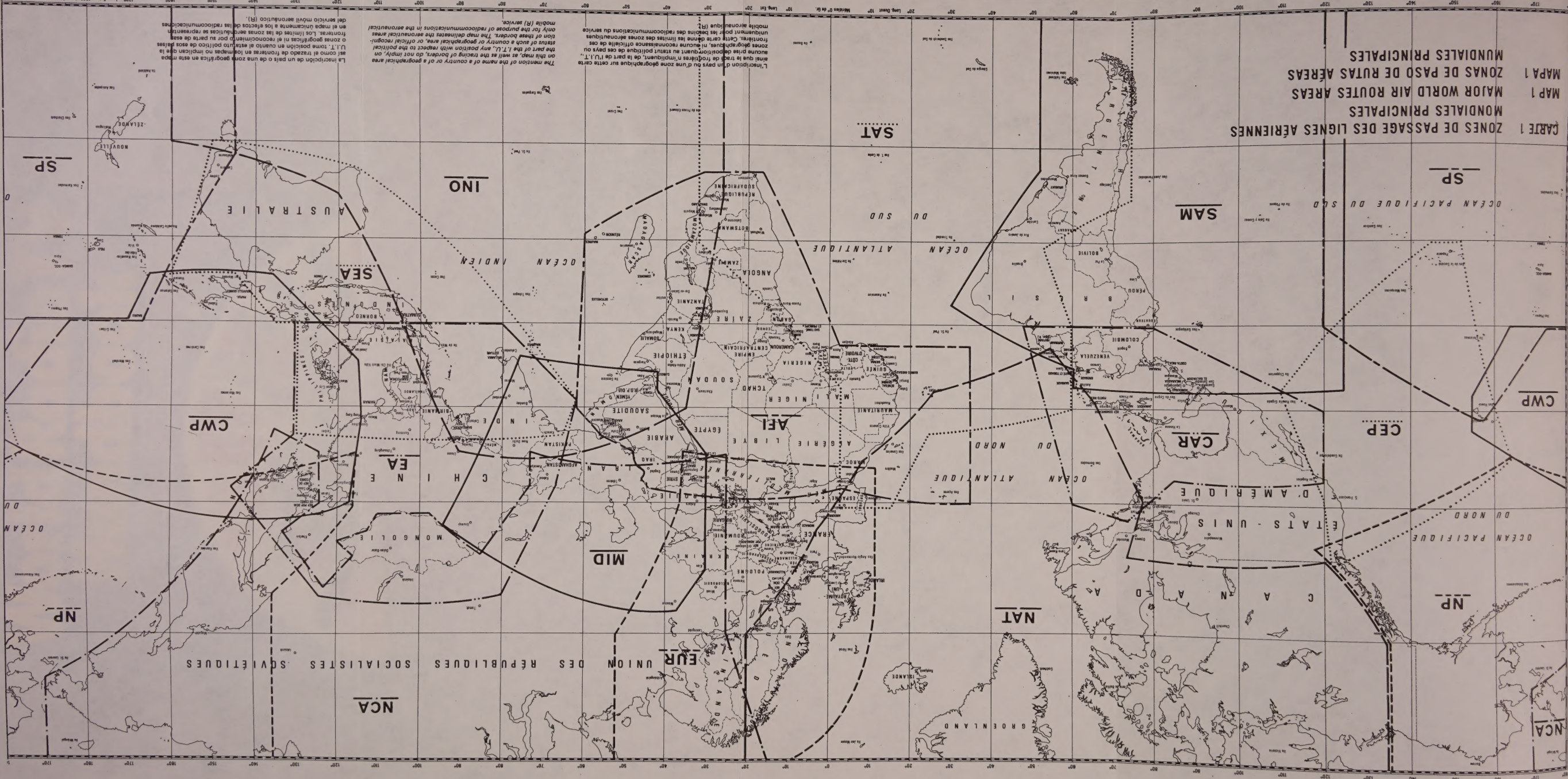
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CARTE 1	ZONES DE PASSAGE DES LIGNES AERIENNES	MONDIALES PRINCIPALES
MAP 1	MAJOR WORLD AIR ROUTES AREAS	
MAPA 1	ZONAS DE PASO DE RUTAS AEREAS	MONDIALES PRINCIPALES

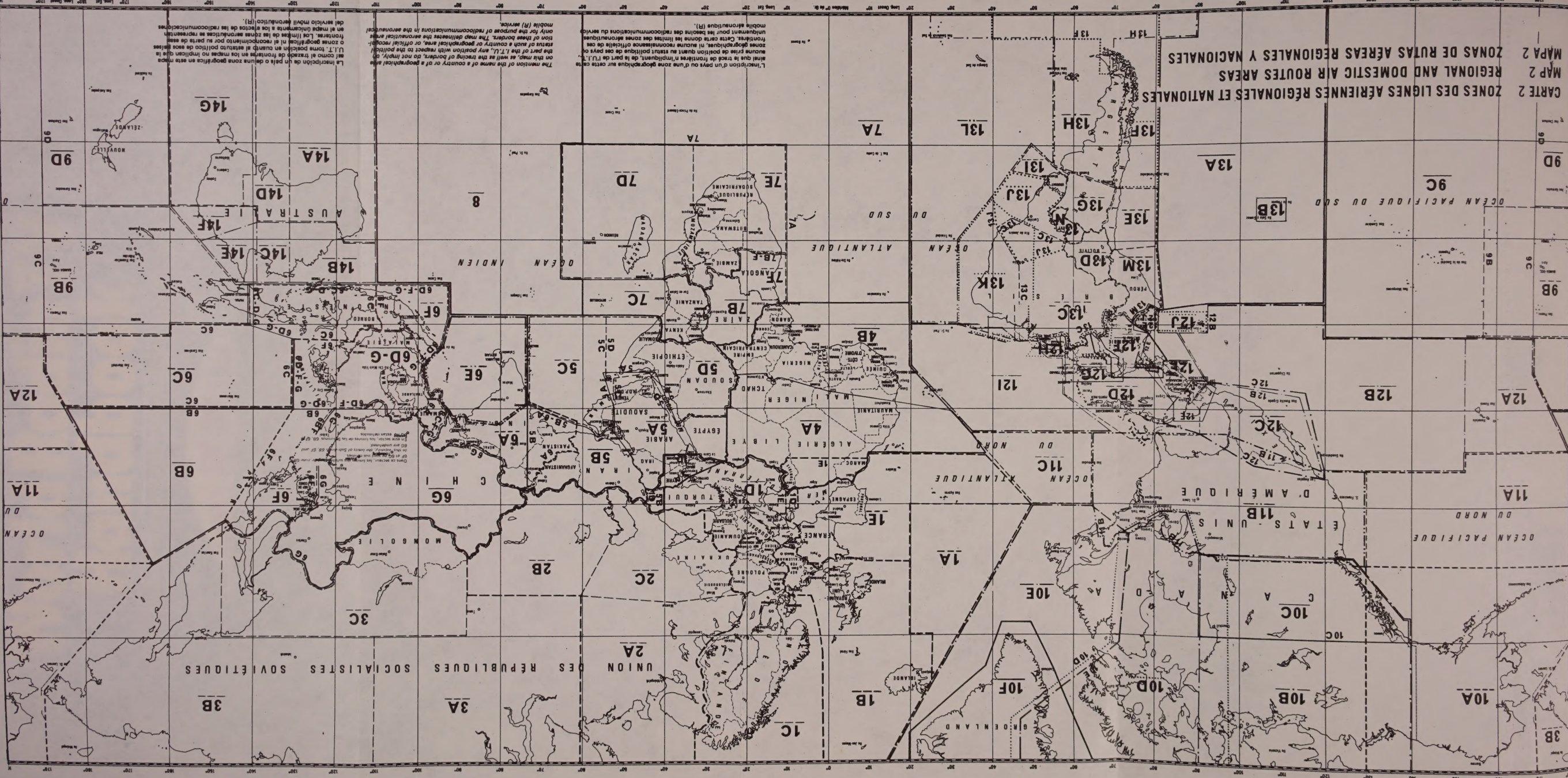


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MAP 2 REGIONAL AND DOMESTIC AIR ROUTES AREAS
MAP 2 ZONAS DE RUTAS AEREAS REGIONALES Y NACIONALES



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